KAAN AIR

KAMOV KA32A11BC MODEL HELICOPTER MAINTENANCE PROGRAMME

Issue	**:**	**3**
Revision	**:**	**00**
Date	**:**	**20.06.2026**

Başvuru Detay Bilgisi

Süre: 4 Gün

Hizmet Süresi: 1 Yıl

Başvurulan:

Vatandaş/Firma: KAAN HAVACILIK SANAYİ VE TİCARET ANONİM ŞİRKETİ

Ödenen Tutar: 1845,00

İşlem Türü: İlave Değişiklik

Hizmet: SHUE5201-Sürekli Uçuşa Elverişlilik Yönetimi/Birleşik Uçuşa Elverişlilik Kuruluşu El Kitapları veya Prosedürleri, Onaylayıcı Personel Listesi, Kabiliyet Listesi, Bakım Programı ve Eklerinin Onayı

Başvuru Numarası: 2026-05-11-12030

Ödeme Takip No: 2026-05-11-20252

Başvuru Tarihi: 29.06.2026

Başvuru Yapan Türü: Şirket Adına

Toplam Gereklilik Sayısı: 4

Değerlendirme Bekleyen Gereklilik Sayısı: 0

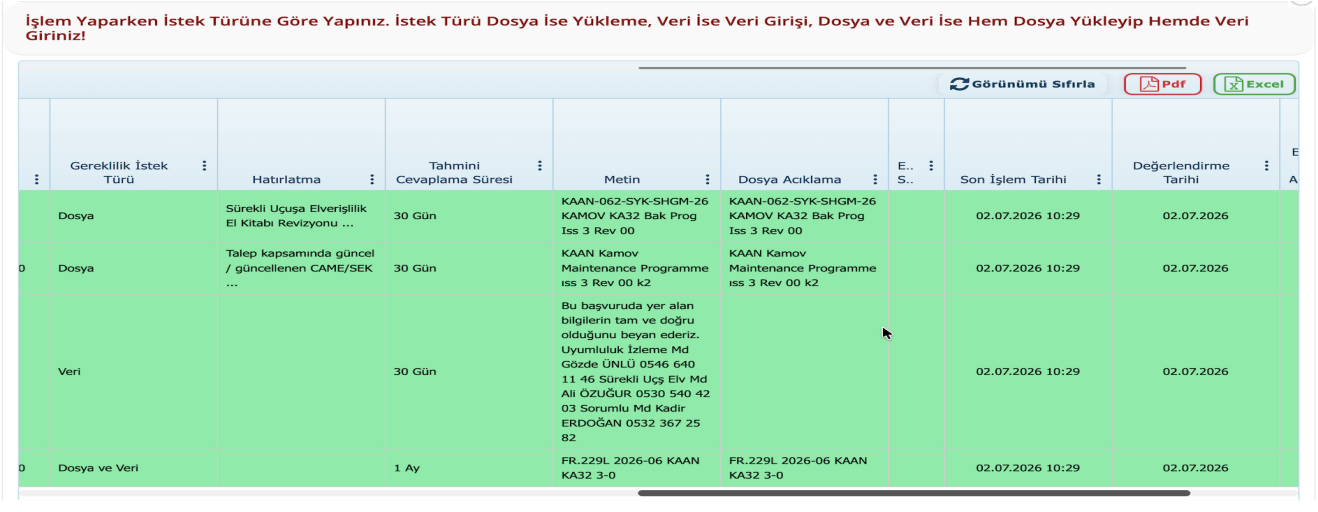
Kapsam Dışı Gereklilik Sayısı: 0

Uygun Gereklilik Sayısı: 4

Uygun Görülmeyen Gereklilik Sayısı: 0

Havaalanı/Heliport Adı:

Açıklama: SHUE5201 Sürekli Uçuşa Elverişlilik Yönetimi/Birleşik Uçuşa Elverişlilik Kuruluşu El Kitapları veya Prosedürleri, Onaylayıcı Personel Listesi, Kabiliyet Listesi, Bakım Programı ve Eklerinin Onayı ,



İşlem Yaparken İstek Türüne Göre Yapınız. İstek Türü Dosya İse Yükleme, Veri İse Veri Girişi, Dosya ve Veri İse Hem Dosya Yükleyip Hemde Veri Giriniz!

Görünümü Sıfırla | Pdf | Excel

	Gereklilik İstek Türü	Hatırlatma	Tahmini Cevaplama Süresi	Metin	Dosya Acıklama	E.. S..	Son İşlem Tarihi	Değerlendirme Tarihi	E A
	Dosya	Sürekli Uçuşa Elverişlilik El Kitabı Revizyonu ...	30 Gün	KAAN-062-SYK-SHGM-26 KAMOV KA32 Bak Prog Iss 3 Rev 00	KAAN-062-SYK-SHGM-26 KAMOV KA32 Bak Prog Iss 3 Rev 00		02.07.2026 10:29	02.07.2026	
0	Dosya	Talep kapsamında güncel / güncellenen CAME/SEK ...	30 Gün	KAAN Kamov Maintenance Programme ıss 3 Rev 00 k2	KAAN Kamov Maintenance Programme ıss 3 Rev 00 k2		02.07.2026 10:29	02.07.2026	
	Veri		30 Gün	Bu başvuruda yer alan bilgilerin tam ve doğru olduğunu beyan ederiz. Uyumluluk İzleme Md Gözde ÜNLÜ 0546 640 11 46 Sürekli Uçş Elv Md Ali ÖZUĞUR 0530 540 42 03 Sorumlu Md Kadir ERDOĞAN 0532 367 25 82			02.07.2026 10:29	02.07.2026	
0	Dosya ve Veri		1 Ay	FR.229L 2026-06 KAAN KA32 3-0	FR.229L 2026-06 KAAN KA32 3-0		02.07.2026 10:29	02.07.2026	

29 / 06 / 2026

SAYI : KAAN-062-SYK-SHGM-26
KONU : KAMOV KA32A11BC Bakım Programı Iss-3 Rev-00

T.C.
ULAŞTIRMA ve ALT YAPI BAKANLIĞI
Sivil Havacılık Genel Müdürlüğüne
ANKARA

İLGİ : 03.11.2023 tarih ve KAAN-064-SYK-SHGM-23 sayılı yazımız.

Issue 02 Rev 00 nüshası, ilgi yazımız ile dolaylı olarak onaylanmış olan KAMOV KA32A11BC Bakım Programı;

- Gövde üreticisi JSC KAMOV tarafından yayınlanan MSM Chapter 05, Rev-15, 16, 17, 18, 19 ve 20 kapsamında yapılan değişikliklerin direk bakım programına dahil edilmesi,
- SHT-CAM referans değişiklikleri ve SHT-CAM doğrultusunda Bakım Programı hazırlama şekil formatının değiştirilmesi,
- CAME / SYK Revizyonu ve
- Bazı typo / syntax düzeltmeleri sebepleriyle,

Issue 3 Rev-00 olarak yeniden hazırlanmış ve ekte onayınıza sunulmuştur.

İlgili revizyon hazırlıkları esnasında, JSC KAMOV gövde üreticisi tarafından posta yoluyla gönderilen Bakım Program revizyonlarının sonuncusunun dahi 13.02.2025 tarihini taşıdığı ve en geç 90 gün içinde bağlantılı değişikliklerin şirket bakım programına ithal edilmesi gerekliliği" kuralına halen uyulamadığı görülmüştür.

Bir önceki revizyon hazırlıkları esnasında da benzer durumla karşılaşılmış, JSC KAMOV dokümantasyon birimine konu iletilmiş, ancak halen devam eden Rusya-Ukrayna savaşının bu hususta etken olduğu tarafımıza bildirilmiş ve durumu iyileştirme için bir ilerleme kaydedilememiştir.

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Son gelen revizyonlarda uçuş emniyetini etkileyen acil konuların olmadığı görülmüş ve aradan geçen süre zarfında iletişim imkanları da pozitif yönde artmaya başlamış olup, müteakip revizyonlarda bildirim için geçen sürelerin kısalması beklenmektedir.

Bilgilerinize sunar, ilgili revizyonun yeni format prosedürleri kapsamında değerlendirilerek, uygun görüldüğü takdirde onaylanmasını arz ederiz.

Saygılarımızla,

Kadir ERDOĞAN
Genel Müdür, Kpt.Plt.
KAAN HVCL. San. ve Tic. A.Ş.

E K L E R :

EK-A KAMOV KA32A11BC Bakım Programı (KAAN) Iss-3 Rev-00 (20.06.2026)
EK-B FR.299L AMP Compliance Checklist (2026-6-20)
EK-C Dekont (CTM/KDM portalı dahilinde ödeme yapılmıştır)

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MAINTENANCE PROGRAMME

Chapter – 0

AMP Document Format

0. AMP DOCUMENT FORMAT

0.1. AMP REFERENCE

Kaan Havacılık San. ve Tic AŞ., Kamov Ka32A11BC model MAINTENANCE PROGRAMME is prepared in the aim of guidance and transmitting information to TR DGCA, SHY-145 or Federal Air Transport Agency (FATA) (ROSAVIATSIYA) Maintenance Organization and Kaan Havacılık San. ve Tic AŞ. Technical Department about the maintenance requirements of each rotorcraft, duties and responsibilities of the technical staff, work principles and training principles according to SHT-CAM, SHY-145, EASA PART and Manufacturer's Rotorcraft Maintenance Manual requirements.

TR DGCA AMP Compliance Checklist, Kaan Havacılık San. ve Tic. AŞ. CAMO to demonstrate compliance with Part-M, M.A.302, AMC and Appendix I requirements, the checklist "FR.229 AMP Kontrol Formu" would also be used as a guidance by Kaan Havacılık San. ve Tic AŞ. CAMO to prepare maintenance programme satisfactory for TR DGCA, thus reducing any potential inconsistencies.

The AMP Compliance Checklist would be used in each part for the Initial AMP issue. For any subsequent AMP Revisions/Temporary Revisions only the affected parts would be filled in, identifying the remaining ones as “Not amended”.

0.2. LIST OF EFFECTIVE PAGES

Chapter 0 AMP Document Format

Page Nr.	Rev. Nr	Date		Page Nr.	Rev. Nr	Date
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0-5	00	20.06.2026		0-14	00	20.06.2026
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Chapter 1 AMP General Requirements

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Chapter 2 AMP Basis and Concept

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Chapter 3 AMP Tasks

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0.3 APPROVAL SHEET

AIRCARFT MAINTENANCE PROGRAMME

Kamov Ka32A11BC

ISSUE 3

REV. 00

	PREPARED BY	**CONTROLED &** *When Needed; INDIRECT* **APPROVED BY**	**FINAL APPROVED BY (On Behalf of Company)**
NAME	Ali ÖZUĞUR	Gözde ÜNLÜ	Kadir ERDOĞAN
TITLE	Continuing Airworthiness Manager	Compliance Monitoring Manager	Accountable Manager
SIGN			
DATE	20.06.2026	20.06.2026	20.06.2026

Note: When the AMP is directly approved by TR DGCA, the Approval Letter (or any similar proof of approval) will be attached to the final document.

0.3.1 CONTACT ADDRESSES

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0.4 DISTRIBUTION LIST

JOB TITLE	PUBLICATION CONT. NO
Turkish DGCA	E-COPY
Accountable Manager	E-COPY
Continuing Airworthiness Manager	Paper Copy NO. 1
Compliance Monitoring and Safety Manager	E-COPY
CAMO Engineering Department	E-COPY
Operator	N/A
Contracted SHT-145 Maintenance Organizations	N/A

The Continuing Airworthiness Manager is responsible of distributing AMP and keeping the distribution list up to date.

0.5 RECORD OF REVISIONS

Each revision has to be completed by an authorized person at the date of issue of revision and signed.

ISS. NO.	REV. NO.	REVISION DATE	REASON FOR	THE CHANGE ENTERED BY SIGNATURE	INDIRECT APPROVAL ?
1	*00...04*	*07.01.2019* *05.05.2021*	*Previous Issue / Revisions*	*A. ÖZUĞUR*	*SHGM*
2	*00...01*	*24.10.2023* *09.12.2024*	*Previous Issue / Revisions*	*A. ÖZUĞUR*	*(YES □)* *K. ERDOĞAN* *Quality Manager*
3	*00*	*20.06.2026*	*MPM format change- Airframe MSM Change-Engine MPM Change*	*A. ÖZUĞUR*	*SHGM*

Keep this page until the new issue of the maintenance program is published.

0.6 RECORD OF EFFECTIVE TEMPORARY REVISIONS

ISS. NO.	T-REV. NO.	T-REVISION DATE	REASON FOR	THE CHANGE ENTERED BY SIGNATURE	INDIRECT APPROVAL ?

Keep this page until new issue of the maintenance program is published.

When Temporary Revisions (TR) are used, the Record of Temporary Revisions is used to keep record of all intermediate TR which are published **between two successive AMP** Issues/Revisions.

0.7 HIGHLIGHTS / SUMMARY OF CHANGES

List of all the changes affecting the current AMP Issue/Revision or Temporary Revision are shown in Chapter 05 Record of Revision and 06 Record of Effective Temporary Revisions tables' "**REASON FOR**" columns.
The content is contained as minimum:

1. The AMP section/appendix impacted.
2. A brief description of the change.

When AMP maintenance tasks are revised, each affected task has to be listed with the related description of the change.

0.8 TABLE OF CONTENTS

0.9 DEFINITIONS, GLOSSARY, ABBREVIATIONS

0.9.1 Terms and Definitions

Aircraft: Every kind of air vehicles that can fly and have cruise capability.

Aircraft component: Any component part of an aircraft up to and including a complete power plant and/or any operational/emergency equipment.

Aircraft Avionics: All electronic devices covering the radio, automatic flight controls and instrument systems.

Airworthiness Data: Any information necessary to ensure that the helicopter or helicopter component can be maintained in a condition such that airworthiness of the helicopter, or serviceability of operational and emergency equipment as appropriate, is assured.

Calendar Times: Day (DY): A period of 24 consecutive hours.

Month(s) (MO): A period of 30 consecutive days.

Year(s) (YR): A period of 12 consecutive months.

Warning: Calls attention to use of materials, processes, methods, procedures, or limits which must be followed precisely to avoid injury or death to persons.

Caution: Calls attention to methods and procedures which must be followed to avoid damage to equipment.

Damage: Physical deterioration of a component

Detailed Inspection (DI) An intensive visual examination of a specific structural area, system, installation, or assembly to detect obvious damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at intensity deemed appropriate by the inspector. Inspection aids such as mirrors, magnifying lenses, etc. may be used. Surface cleaning and elaborate access procedures may be required.

Discard (DS)

Note Unless specifically stated otherwise, the tasks identified in this document can be performed without removing the subject assembly/component.

The removal from service of an item at a specified life limit. Discard tasks are normally applied to parts such as cartridges, canisters, cylinders, engine disks, etc.

Functional Check (FC) A quantitative check to determine if one or more functions of an item perform within specified limits.

Flight Time: The total time from the moment an helicopter first moves for the purpose of taking off until the moment it finally comes to rest at the end of the flight.

Functional Test: A “Functional Check” is a detailed examination in which a complete system, subsystem or component is checked to determine if specific operating parameters are within the limits of movement, rate of flow, temperature, pressure, revolutions per minute, degrees of travel, etc., as prescribed in the manufacturer/vendors Maintenance Manual.

General Visual Inspection (GVI) A visual examination of an interior or exterior area, installation, or assembly to detect obvious damage, failure, or irregularity. This level of inspection is made from within touching distance, unless otherwise specified. A mirror may be necessary to ensure visual access to all surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight or droplight and may require removal or opening of access panels or doors. Stands, ladders, or platforms may be required to gain proximity to the area being checked.

Helicopter: helicopter with one or more power-driven horizontal rotors that enable it to take off and land vertically, to move in any direction, or to remain stationary in the air. Helicopters are classified as rotorcraft or rotary-wing helicopters to distinguish them from fixed-wing helicopters, because the helicopter derives its source of lift from the rotor blades rotating around a mast.

Interval: The period expressed in Letter code, cycles, hours and/or calendar time, between successive accomplishments of a specific task.

Landing: An helicopter touching the runway and coming to a complete stop or performing a “touch and go”.

Lubrication and Servicing (LU/SV) Any acts of lubricating or servicing for the purpose of maintaining inherent design capabilities.

Maintenance Task: An action or set of actions required to achieve a desired outcome which restores an item (area, component, system, subsystem, structure) or maintains an item in serviceable condition, including inspection and determination of condition.

Modification: The alteration of a helicopter component in conformity with an approved standard.

NDT Inspection: Nondestructive inspection procedure, e.g., eddy current, ultrasonic.

Note: Calls attention to methods which will make the job easier.

Operational Check (OC) An operational check is a task to determine that an item is fulfilling its intended purpose. Does not require quantitative tolerances. This is a failure finding task.

Overhaul (OVHL) Overhaul activities are all the activities specified in the dedicated manuals issued by the manufacturer that involve partial or total disassembly of an equipment/assembly with the purpose of reconditioning, replacing and/or testing the internal components, at intervals specified by the manufacturer.

Pre-flight inspection: The inspection carried out before flight to ensure that the helicopter is fit for the intended flight. It does not include defect rectification.

Repair: The restoration of a helicopter / helicopter component to a serviceable condition in conformity with an approved standard.

Restoration: That work necessary (ON/OFF helicopter) to return an item to a specific standard. Restoration may vary from cleaning or replacement of single parts up to a complete overhaul.

Service: The term “Service” implies that a component or system will be checked and serviced with fuel, oil, grease, water, oxygen, etc., to a level or condition specified by the applicable manufacturer, vendor and/or airline. “Service” may also be used to indicate that filter cleaning or replacement is recommended.

Special Detailed Inspection (SDI) An intensive examination of a specific item(s), installation, or assembly to detect damage, failure, or irregularity. The examination is likely to make extensive use of specialized inspection techniques and/or equipment. Intricate cleaning and substantial access or disassembly may be required.

Visual Check (VC) A visual check is an observation to determine that an item is fulfilling its intended purpose. Does not require quantitative tolerances. This is a failure finding task.

0.9.2 Abbreviations

A/C:	Aircraft
AD:	Airworthiness Directives
ADS-B:	Automatic Depended Surveillance – Broadcast
ALI:	Airworthiness Limitations Items
ALS:	Airworthiness Limitations Section
AMC:	Acceptable Means of Compliance
AMM:	Aircraft Maintenance Manual
AMP:	Aircraft Maintenance Programme
AMSI:	Air Vehicle Maintenance Planning Information
ARSP:	Air Vehicle Structural Repair Publication
AOC:	Air Operator Certificate
APU:	Auxiliary Power Unit
CA	Continuing Airworthiness
CAME:	Continuing Airworthiness Maintenance Exposition
CAMO:	Continuing Airworthiness Management Organization
CMM:	Component Maintenance Manual
CMR:	Certification Maintenance Requirements
CPCP:	Corrosion Prevention and Control Program
CSRP	Common Structural Repair Publication
CSN	Cycles Since New
DTI:	Damage Tolerance Instructions
EASA	European Aviation Safety Agency
EMM	Engine Maintenance Manual
EMPM	Engine Maintenance Planning Manual
EWIS:	Electrical Wiring Interconnection Systems
FAA	Federal Aviation Administration
FC:	Flight Cycles
FH:	Flight Hours
ICA:	Instructions for Continued Airworthiness
ICAO:	International Civil Aviation Organization
IETP	Interactive Electronic Technical Publications
LLI:	Life Limited Items
MEL	Minimum Equipment List
MFR	Manufacturer
MI	Mandatory Inspection
MLG	Main Landing Gear
MM	Maintenance Manual
MMEL	Master Minimum Equipment List
MOS	Manual Override System

MP	Maintenance Programme
MPD:	Maintenance Planning Document
MPM	Maintenance Planning Manual
MSM	Maintenance Service Manual
N/A	Not Applicable
NLG	Nose Landing Gear
NO	Number
OAT	Outside Air Temperature
OEM:	Original Equipment Manufacturer
O/H	Overhaul
PAC	Power Assurance Check
P/N	Part Number
RFM	Rotorcraft Flight Manual
RoR	Record of Revisions
RoTR	Record of Temporary Revisions
SB:	Service Bulletins
SHT-CAM	Civil Aviation Regulation
SIB:	Safety Information Bulletin
SMC	Scheduled Maintenance Check
STC:	Supplemental Type Certificate
STCH:	Supplemental Type Certificate Holder
TC:	Type Certificate
TCDS:	Type Certificate Data Sheet
TCH:	Type Certificate Holder
TR:	Temporary Revision
TR DGCA:	Directorate of General Civil Aviation (SHGM)
TR-TCO:	Turkish Technical Standard Order
TSN	Time Since New
TSO	Time Since Overhaul
UMC	Unscheduled Maintenance Check
W&B	Weight & Balance

MAINTENANCE PROGRAMME

Chapter – 1

AMP General Requirements

1 AMP GENERAL REQUIREMENTS

1.1 PRODUCT IDENTIFICATION

Kaan Havacılık San. ve Tic AŞ., Air Kamov / KA32A11BC fleet composition is as follows:

A/C MANUFACTURER	MODEL	REGISTRATION	SERIAL NUMBERS	ENGINE MANUFTURER	ENGINES MODEL	ENGINES S/N	APU MANUFTURER	APU MODEL	APU S/N
KAMOV	Ka-32A11BC	TC HLE	52332401 **9819**	Motor Sich JSC	TB3-117VMA	387789110 **2006** 387789400 **2029**	Motor Sich JSC	AI-9 (AИ-9)	H91040032
		TC HLF	52332429 **9829**			387789110 **2007** 387789400 **2032**			H91040031
		TC HLG	52332429 **9834**			387789110 **2001** 387789300 **2006**			H91040026

1.2 RESPONSIBILITIES

1.2.1 Operator Name and Address

KAAN HAVACILIK SANAYİ VE TİCARET A.Ş.

(TR.AT.038)

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1.2.2 Brief Description of the Organization

Kaan Havacılık San. ve Tic AŞ. Detailed organization is explained in Continuing Airworthiness Management Exposition (CAME) Section 0.2.1

1.2.3 Type of Operation

Kaan Havacılık San. ve Tic AŞ. does Air Taxi in accordance with conditions explained in its AOC.

1.3 STATEMENT BY THE CAMO

In the preparation of this Maintenance Programme to meet the requirements of TR DGCA SHT-CAM, Part-M, the recommendations made by the airframe, engine, and equipment manufacturers have been evaluated and, where appropriate, have been incorporated.

This Maintenance Programme lists the tasks and identifies the practices and procedures, which form the basis for the scheduled maintenance of the helicopter(s). **Kaan Havacılık San. ve Tic AŞ.** undertakes to ensure that the helicopter(s) will continue to be maintained in accordance with this programme.

The data contained in this programme **will be reviewed for continued validity at least annually** in the light of operating experience and instructions from the TR DGCA whilst taking into account new and / or modified maintenance instructions promulgated by the Type Certificate and Supplementary Type Certificate Holders and any other Organization that publishes such data in accordance with SHT-21.

It is accepted that this programme does not prevent the necessity for complying with any new or amended regulation published from time to time where these new or amended regulations may override elements of this programme.

It is understood that compliance with this programme alone does not discharge Kaan Havacılık San. ve Tic AŞ. from ensuring that the programme reflects the maintenance needs of the helicopter(s), such that continuing safe operation can be assured.

It is further understood that the TR DGCA reserves the right to suspend, vary or cancel approval of the Maintenance Programme if the TR DGCA has evidence that the requirements of the Maintenance Programme are not being followed or that the required standards of airworthiness are not being maintained.

For and on behalf of the SHT-CAM CAMO / Kaan Havacılık San. ve Tic AŞ.:

Ali ÖZUĞUR
Continuing Airworthiness Manager

1.4 PRACTICES AND PROCEDURES STATEMENT

Practices and procedures to satisfy the programme **will be to the standards** specified in TCH's maintenance instructions.

1.5. HELICOPTER UTILISATION

The helicopters are operated for air taxi operation has no scheduled flight program is available. For this reason, annual utilization may vary and estimated utilization based on previous experiences. Maintenance tasks and selected program will be reviewed to make necessary adjustments, if annual utilization increases by more than 25% from that anticipated.

Anticipated **Annual Utilization** is **300 Flight Hours**.

1.6. LIMITATIONS OF THE MAINTENANCE PROGRAMME

This section is N/A for now.

1.7. REFERENCE DOCUMENTS

Item	Document	Rev. No	Rev. Date	Issued by
1	JSC KAMOV Master Servicing Manual KA32A11BC-MSM-000	15-16-17-18-19-20	13-02-2025	JSC KAMOV Joint Stock Company Russian Helicopters
2	JSC KLIMOV JSC MOTOR SICH Maintenance Manual 078.00.5800-04 РЭ BOOK 3	02	29.03.2024	JSC KLIMOV JSC MOTOR SICH
3	Sürekli Uçuşa Elverişlilik Talimatı (SHT-CAM)	08	05.05.2026	TR DGCA
4	Continuing Airworthiness Management Exposition (CAME)	29	02.02.2026	Kaan Havacılık San. ve Tic AŞ.

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MAINTENANCE PROGRAMME

Chapter – 2

AMP Basis and Concept

2. AMP BASIS AND CONCEPT

This Maintenance Programme meets the requirements of SHT-CAM and the requirement of the Turkish DGCA, FATA Airworthiness regulation Annex-I (Part-M) and includes the evaluation of recommendations made by airframe, engine, and component manufacturers. Scheduled inspections include airframe, engine, and component inspections. The scheduled airframe Inspection intervals are based on the airframe operating time. The scheduled component inspection intervals are based on the component operating time. The basis of Maintenance Program is Kamov Ka32A11BC Airframe Technical Publications and JSC Klimov JSC Motor Sich Engine TB3-117BMA Technical Publications.

2.1. PROGRAMME BASIS DESCRIPTION

The AMP basic details of the following list:

1) Airframe
a) AMSM Aircraft Master Servicing Manual (FATA)
1. Airworthiness limitations.
2. Time limits
3. Permitted inspection interval tolerances
4. Component overhaul schedule
5. Discard time schedule
6. Scheduled maintenance checks
7. Unscheduled maintenance checks
b) Service bulletins (SB) İnformation Later of Helicopter and Component Manufacturer

2) MPM of the Engine
1. MAINTENANCE MANUAL (FATA)
2. Airworthiness Limitations
3. Time Limits/Maintenance Checks
4. Engine Operating Limits
5. Scheduled Maintenance Checks
6. Unscheduled Maintenance Checks
a) Service bulletins (SB) Information Later of Engine and Component Manufacturer
3) AD’s of Turkish DGCA
4) AD’s of Helicopter, Engine and Component Type Certificate authorities
5) Turkish Technical Standard Order (TR-TSO)
6) European Technical Standard Order (ETSO)
7) RUSSIA Technical Standard Orders (TSO)
8) Operator/ Kaan Havacılık San. ve Tic AŞ. CAMO instructions

2.2. TASKS STARTING POINT AND IMPLEMENTATION PERIODS

For Helicopter, engines and components, maintenance, component life cycles and their new and additional changes, starting times, dates or cycles, and their application starting points and durations will be determined from the content of the items specified below.

Unless otherwise stated, generally, new and additional changes of tasks will be performed at the first appropriate maintenance inspection. However, special attention will be paid to shortening first implementation times, dates, or cycles.

1. Helicopter Maintenance Planning Information (AMPI) Manual
2. Service Bulletin
3. Airworthiness Directives.
4. Vendor Recommendations.
5. STC Documents (Supplements)
6. Components Logs and documents
7. Information provided by the TCH/STCH/OEM

2.3. ADDITIONAL REPETITIVE MAINTENANCE TASKS

The management of the inclusion into the AMP of Maintenance Tasks derived from **Modifications and Repairs** and Management of instructions specified in **repetitive Airworthiness Directives (AD)** or **Service Bulletins (SB)** has been described in this section.

“Accomplishment and Control of Airworthiness Directives (AD)” is explained in detail in Kaan Havacılık San. ve Tic AŞ. CAME Chapter 1.4.

Note: According to AMC M.A.801 bullet point 6, after embodiment of a **Standard Change** or a **Standard Repair** it is necessary to assess if any associated changes in the Instructions for continuing airworthiness of the Helicopter require amending the AMP and to obtain its approval.

2.3.1 Repetitive AD and SB List

The helicopter design bureau (KAMOV) integrates the published Safety Data Sheets Service Bulletins (SB's) into the MSM and maintenance manuals, thus avoiding the creation of separate, repetitive SBs. Similarly, the Airworthiness Directives (ADs) derived from these SBs and published by FATA are also integrated into the MSM and maintenance manuals.

2.4. AGEING HELICOPTER SYSTEMS AND SPECIFIED SAMPLING PROGRAMME

Since the maintenance intervals, lifespans and overhaul cycles of all components of the helicopter, including the airframe, are given in great detail in the helicopter's maintenance planning book (AMP) and imported into the Kaan Havacılık San. ve Tic AŞ. KA32A11BC maintenance program (MP), there is no need to follow up on the above-mentioned issues under this heading. And, also, the helicopter's Maintenance Planning Manual is constantly updated with manufacturer information letters, Service Bulletins and Authority ADs.

2.5. CRITICAL DESIGN CONFIGURATION CONTROL LIMITATIONS TOGETHER WITH APPROPRIATE PROCEDURES (CRITICAL PARTS)

Helicopter and its Components MPM, AMM, and other publications do not include the definition "CRITICAL DESIGN CONFIGURATION CONTROL LIMITATIONS." Instead, the following definition is provided under the heading "Critical parts" in the AMM.

Critical parts are those parts that could have catastrophic consequences on the helicopter if they fail during ground or flight operations.

Kaan Havacılık San. ve Tic AŞ., applies and ensures that the following items are applied for the "CRITICAL PARTS" in its helicopter but is not limited to them.

1. Implements/ensures that the following AMM instructions are followed when removing, installing, maintaining, transporting, and storing critical parts from the helicopter.

2. Implements/ensures that the manufacturer's published CCP is followed to prevent damage and corrosion of critical parts.

3. Implements/ensures that maintenance planning information (MPM (0B-D-AMPI-00-P)) is applied for critical parts with a retirement life.

4. Applies/enforces maintenance planning information (MPM (0B-D-AMPI-00-P)) for critical parts requiring overhaul intervals or certified maintenance.

5. Manufacturer approval is required for all repairs and modifications to a critical part.

6. Reports of any unusual wear or deterioration found on a critical part to the Manufacturer. If necessary, send the critical part to the Manufacturer for inspection.

2.6 WEIGHING

Kaan Havacılık Sanayi ve Ticaret A.Ş., applies and ensures helicopter weighing concepts, periods, procedures, and results management, with reference to the helicopter AMM Chapter 08, when the following reasons occur:

1. Major modifications.

2. Major airframe repairs.

3. Operational requirements.

4. When the helicopter is repainted.

5. When requested by the helicopter authority and manufacturer.

The weighing process, its calculations, transferring the results to the relevant forms, and entering them into the relevant section of the helicopter's RFM are carried out by an authorized maintenance center.

Also, how the results are processed by the CAMO is explained in detail in Kaan Havacılık San. ve Tic AŞ. CAME Chapter 1.12 “Helicopter Weighing.”

2.7 PARKING AND STORAGE

Kaan Havacılık San. ve Tic AŞ., applies and ensures, helicopter parking and storage maintenance procedures, which is detailed in the AMM “Parking, Mooring and Storing” along with the parking/storage/return-to-service maintenance procedures and also applies and ensures, the helicopter AMM may also identify additional repetitive scheduled maintenance tasks related to the specific parking/storage option implemented. Taking into account the environmental conditions of the area where the helicopter and its components is parked/stored, the storage conditions are implemented and enforced in accordance with the instructions in the helicopter AMM. Such tasks are properly controlled and the associated procedure contained in the Kaan Havacılık San. ve Tic AŞ. CAME Chapter 1.11.2 “Post Flight Inspections and Storage Helicopter”.

2.8 BRIDGING PROGRAMME

Kaan Havacılık Sanayi ve Ticaret A.Ş. performs bridging maintenance to the helicopter in the following situations:

1. When transitioning between maintenance schedules, recommended to the operator in the helicopter's AMP.

2. When entering Camo operation for the first time.
3. When returning to Camo after becoming a state helicopter.
4. When the helicopter remains in an uncontrolled environment for any reason.

2.9 OPERATIONAL REQUIREMENTS FROM TR DGCA / STATE OF REGISTRY

This section is N/A for now.

If needed, this section will provide comprehensive explanations related to special operational requirements applicable to the fleet.

2.10 STATE OF OPERATOR RECOMMENDATIONS

When needed, special maintenance recommendations will be listed by the TR DGCA / State of Operator (AOC). Kaan Havacılık Sanayi ve Ticaret A.Ş. CAMO will consult the Safety Information Bulletin (SIB) list, published by TR DGCA on a dedicated Safety Publications page.

TR DGCA SIB is an information tool that intends to alert, inform and draw the attention of the aviation community on safety issues. Since the SIBs contain non-mandatory information and guidance that do not qualify for an Airworthiness Directive (AD) for this reason, any potential impact of the SIB on the AMP will be assessed.

MAINTENANCE PROGRAMME

Chapter – 3

AMP Tasks

3. AMP TASKS

3.1. PRE-FLIGHT AND ROUTINE MAINTENANCE TASKS

3.1.1.Flight Crew Pre-Flight

The inspections commence at the nose and continue clockwise around the helicopter. During the inspection, check that there are no leaks from overboard drains, that all vents, air intakes, air outlets and fire access points are clear of obstructions, and all access panels and antennas are secure. All oil and hydraulic levels are at correct check line. (See for check sequence figure 2- I). After last flight of the day) The pilot/authorized technician or mechanic technician performs walk-around and interior checks, connects the main and tail rotor tie-downs; puts the pitot cover (if they available any of them). and if any fault observed after completing post flight enters it in and signs the technical logbook. The following procedure outlines the pilot/authorized technician or mechanic technician walk-around and interior checks Pilot Checks Helicopter' technical logbook and hold item list presence of any fault after completing pre-flight & Intermediate Checks & post-flight fills in and signs the technical logbook. (Refer to the latest issue of the KA32A11BC RFM Section 2 Normal Procedures)

3.1.2. Fine Pre-Flight Check

Pre-flight checks are performed according to RFM; MSM 05-20-10 Table 1, Before every flight, the aircraft shall be inspected to ensure that the aircraft is fit for the intended flight. This inspection is called pre-flight inspection.

The pre-flight inspections need not necessarily be carried out by maintenance staff. Kaan Havacılık shall ensure the airworthiness of the aircraft and the serviceability of both operation and emergency equipment by the accomplishment of pre-flight inspections.

Pre-flight inspection means the inspection carried out before flight to ensure that the aircraft is fit for the intended flight. If there is no need for any defect rectification, pre-flight inspection can be carried out by flight crew or authorized technician or trained mechanic technician.

This shall include but not limited to; A walk around type inspection of the aircraft and its emergency equipment for condition including any obvious sign of wear, damage, or leakage. In addition, the presence of all required emergency equipment should be established. Control surface and landing gear locks, pitot/static covers, restraint devices and engine covers would be removed.

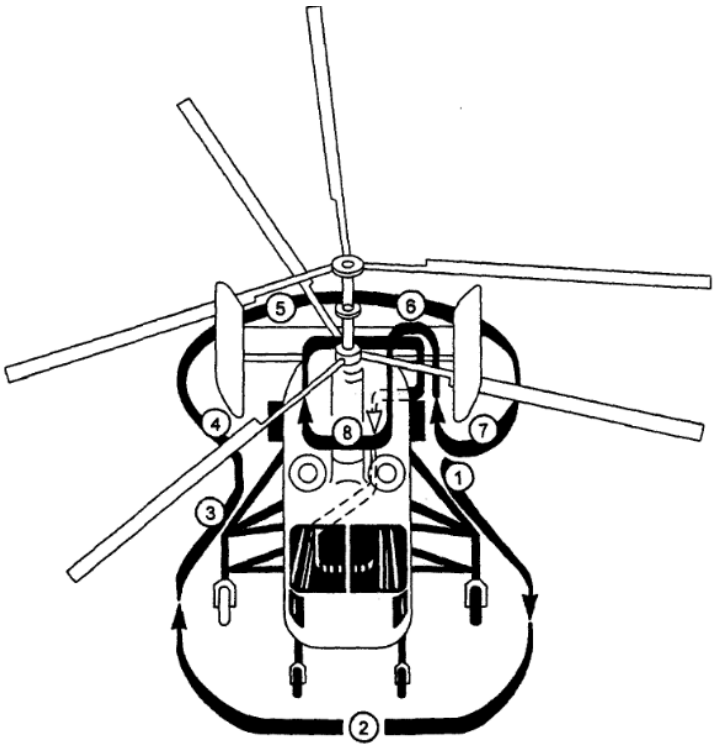
3.1.3. Intermediate check.

Intermediate check procedures are carried out during intervals between consequent flights. If the two flights are more than 2 hours. The check procedures are given in MSM 05-20-10 table 2. Intermediate check means the inspection carried out between two flights to ensure that the aircraft is fit for the intended flight. Intermediate check inspection can be also carried out by flight crew or authorized technician or trained mechanic technician.

3.1.4 Post-Flight check.

Post-Flight check procedures are carried out during last flight of the day. The check procedures are given in MPM 05-20-10 table 3. Post-Flight check means the inspection carried out last flight of the day to ensure that the aircraft is fit for the next day intended flight. If there is no need any defect rectification, post-Flight check inspection can be carried out by flight crew or authorized technician or trained mechanic technician.

Pre-flight Check Sequence



AREA No. 1: Fuselage LH side
AREA No. 2: Fuselage Nose side
AREA No. 3: Fuselage - LH side
AREA No. 4: Rudders,
AREA No. 5: Tail boom, stabilizers
AREA No. 6: APU
AREA No. 7: Main gear box
AREA No. 8: Engines
INTERIOR

3.1.5 Routine Maintenance Tasks

Routine maintenance tasks completed by maintenance personnel constitute a package maintenance program that includes daily, weekly, hourly, etc., checks. If these maintenance packages are implemented using specific forms, these forms can be included in addition to the AMP.

3.2 MAINTENANCE TASKS

Detailed lists of all maintenance tasks and their respective intervals (frequencies) for each part of the helicopter, engine, components and equipment, as well as the associated systems and installations, is provided in the following paragraphs. The maintenance lists in this MP, based on AMSM of helicopter, engine and components, including the following information.

3.2.1. Maintenance Tasks have been organized in a table format, containing the following information:

1. **Revision Status** of List is shown in the first row in the upper right corner of the page.
2. **Revision Date** of List is shown in the second row in the upper right corner of the page.
3. **Task Title, interval and Type** include in the title content of the list.
4. **Task ID** is indicated under the heading "NO" in the first column of the list.
5. **System** is shown under the heading "System" in the second column of the list.
6. **Task** Description is shown under the heading "Task" The third column of the list.
7. **Reference and Source** is indicated under the heading "Reference (DCM)" in the fourth column of the list.
8. **Effectively** the fifth column will be added to the list when a second helicopter is added to the maintenance program.

3.2.2. KA32A11BC AIRFRAME AND ENGINE SCHEDULED/UNSCHEDULED MAINTENANCE LIST

This chapter gives you the instructions applicable to the scheduled and unscheduled maintenance of the Ka32A11BC helicopter. The reference data modules are included in the Maintenance Publication (KA32A 11 BC-MSM-000) and (078.00.5800-04 РЭ BOOK 3)

By the helicopter's type certificate holder, a new introduce tasks or change existing tasks must be evaluated for incorporation into the operator maintenance program. Incorporation should be within six months of the date of receipt of the new issue of the AMPI by the operator. After incorporation in the OMP, the new or changed task shall be accomplished at the next suitable point in that program within the frequency designated for these tasks unless otherwise specified. The guidelines herein do not apply to the intervals of tasks resulting from Airworthiness Directives (AD) or Airworthiness Limitation Section (ALS).

The permitted tolerances for maintenance interval frequencies will be applied as recommended by the TR DGCA, as specified in section 5.1.1.
Exclusion cases
Unless otherwise specified, permitted variations DO NOT apply to:
1. Airworthiness directive
2. National requirements
3. Life limited part intervals specified by a manufacturer or identified in helicopter or engine Type Certification Data Sheets
4. Interval specified in MMEL
5. Airworthiness Limitations, including CMRs
6. Discard tasks
7. Overhaul tasks
8. Special Inspections whose interval requirement is not expressed only in FH or calendar parameters or through the identification of a specific event/operating condition (e.g. “At each engine removal/installation”, “At each blade retention bolt removal”, “Prior to the first flight of the day”, “Between 5-10 FH (new a/c or after reinstallation of major components)”, “At pilot doors removal/Installations”, “At each transmission removal/Installation”, ...).

3.2.3. KA32A11BC Airframe, Engine, APU Scheduled Unscheduled Inspection Intervals.

1) Scheduled maintenance checks
a) 25 hour Inspection *
b) 50 Hours/60 Days Inspection
c) 100 hour Inspection
d) 300 our Inspection
e) 500 hour Inspection
f) 600 hour Inspection
g) 1000-hour Inspection
h) 1200-hour Inspection
i) 1800-hour Inspection
j) 2000-hour Inspection
k) 3000-hour Inspection
l) 4000-hour Inspection
m) 8000-hour Inspection
n) 8000 hour /10 Year Inspection
o) 16000-hour Inspection
p) 16000 hour /20 Year Inspection
2) Special Inspections
a) 3 months Inspection
b) 12 months Inspection
c) 24 months Inspection
d) 100 hours Inspection

e) 750 + 50 hours Inspection (Engine)
3) Unscheduled maintenance checks
a) Special Inspections
b) Storage Inspections
c) Checks to be performed after replacement of main engines and main gearbox.
d) Seasonal inspections
e) Acceptance and functional check usages
4) Engine Scheduled Inspections
a) 50 Hours Inspection
b) 100 Hours Inspection
c) 300 Hours Inspection
d) 750 + 50 hours Inspection (Engine)
5) APU Scheduled Inspections
a) 500 Switching's (Starts) Inspection
b) 200 Hours Inspection

3.2.4 KA32A11BC Airframe Scheduled/ Unscheduled Inspection Intervals and tasks

25 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
25FH-01		Inspect and wash air starter filter (APU AI-9)	TB3-117 MM, 080.12.00 No. 203	4	To be done when the helicopter is operated in dusty atmosphere

50 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
50FH-01		Remove snow, ice and frost from helicopter skin		1-5	
50FH-02		Clean helicopter and restore protective lubricant on parts and assemblies exposed to environmental effect		1-5	
50FH-03		Check operation of cabin heating system elements	21-20-00, Maintenance, item 3	2	
50FH-06		Check if 20НКБН 25 Д У3 batteries have been subjected to periodic scheduled maintenance in due time. Send batteries to charging station if time limits of maintenance and recharging are close to expiration	20НКБН-25-Д-У3 MM, 24-31-20	2	Performance methods is indicated in the text of this manual
50FH-07		Check operation of instrument-flying blinds	25-10-06, Maintenance, item 2	1	
50FH-07A		Oil the 2Wc20 GOST 3635-78 hinge bearing	25-52-00 Maintenance İtem 2, B (5)	2	External cargo load is underweight or every 12 months without weight
50FH-08		Check availability of first aid kit	25-60-00, Maintenance, item 1	2	

50FH-09		Check serviceability of fire warning system electrical circuits	26-11-00, Checking/ Troubleshooting, item 1	1	
50FH-10		Check serviceability of squibs electrical circuits in the fire extinguishing system	26-20-00, Checking/ Troubleshooting, item 1	1	
50FH-11		Check charging pressure and cleanliness of fire extinguishers 1-3-3 activation squibs	26-21-01, Maintenance, item 4	4	
50FH-12		Check places of fuel tanks installation, filler necks and drain valves for freedom from leakage	28-10-00, Maintenance, item 4	2	
50FH-13		Check operation of fuel pumps	28-21-00, Maintenance, item 6	1	
50FH-14		Check condition, attachment, and freedom from leakage of single point fueling connection	28-21-01, Maintenance, item 2	2	
50FH-15		Check operation of fuel shut-off and cross-feed valves	28-22-00, Maintenance, item 2	2	
50FH-16		Check condition of external fuel tanks	28-11-00, Maintenance, item 3	2	
50FH-17		Check silica-gel color in moisture absorbing filter of hydraulic tanks pressurization system	29-25-01, Maintenance, item 1	4	
50FH-18		Check operation of manual pneumatic pump of hydraulic tanks pressurization system	29-25-06, Maintenance, item 2	3	
50FH-19		Check functioning of hydraulic system operated from ground hydraulic power source	29-00-00, Inspection/ Checking, item 5	1	It is allowable to check from the helicopter auxiliary hydraulic system
50FH-20		Check quantity of working fluid in hydraulic tanks	29-00-03, Maintenance, item 2	4	
50FH-21		Check serviceability of electrical circuits of ПВД 6М pitot/static tubes heating elements	30-30-00, Maintenance, item 1	1	
50FH-22		Check visually condition of flight compartment windshield cleaning (sprinkling) system	30-43-00, Maintenance, item 2	1	
50FH-23		Check condition and attachment of wipers and functioning of flight compartment windshield cleaning mechanism	30-42-00, Maintenance, item 1	1	
50FH-24		Check condition and attachment of rotor blades anti-icing system wire bundles	30-60-00, Maintenance, item 1	5	
50FH-25		Check functioning of ice detector by built-in test system	30-80-00, Checking/ Troubleshooting, iteml	1	

50FH-26		Check instrument pointers and indexes (bars) for proper reading with power supply switched off and on in-flight compartment	39-00-00, Maintenance, item 2	1	
50FH-27		Check functioning of taxi and parking brakes of landing gear wheels	32-50-00, Maintenance, item 1	1	
50FH-28		Check friction error of standby КИ-13БС-1 magnetic compass	34-25-00, Maintenance, item 2	1	
50FH-31		Check APU systems for freedom from fuel and oil leakage	АИ-9 ММ, item 6.2.3 (1)	4	
50FH-32		Check operation of cabin door open position warning system	52-70-00, Checking/ Troubleshooting, item 1	2	
50FH-33		Check condition of fuselage skin	53-00-00, Inspection/Checking, item 1	2	
50FH-34		Check condition of flight compartment windows	56-00-00, Maintenance, item 1	1	
50FH-35		Check condition of cabin windows	56-00-00, Maintenance, item 1	2	
50FH-36		Check condition of main rotor blades	62-10-00, Inspection/Checking, item 1	5	
50FH-37		Absence of foreign objects in engine nacelle compartments and air intake tunnels, closing reliability of engine nacelle panel locks and hatch covers	54-00-00, Maintenance, item 3	4	
50FH-38		Check: -condition and attachment of main landing gear wheels -pressure of main landing gear tires, in terms of tire deflection -filling of main landing gear shock strut with oil to parking tire deflection -condition and attachment of nose landing gear wheels -pressure of nose landing gear tires, in terms of tire deflection -check condition of skies	32-41-00, Maintenance, item 1 32-11-00, Maintenance, item 2.B.(2).(f) 32-42-00, Maintenance, item 1 32-42-00, Maintenance, item 1 32-43-00, Maintenance, item1	2 2 2 2 2 2	(if available)
50FH-39		Check condition of swash plate assemblies, sliders, torque links and upper bearing support of rotor mast	62-20-00, Inspection/Checking, items 1, 2	5	
50FH-40		Check condition of control rods, their joints with blade driving elements, sliders, swash plate assemblies and bell cranks on gearbox	62-20-00, Inspection/Checking, item 3	1-5	

50FH-41		Check condition and attachment of main rotor hubs	62-20-00, Inspection/Checking, item 3	5	
50FH-42		With blades in operating position, easy release and locking of friction locks of blades folding mechanism levers from operating position	62-29-00, Maintenance, item 2	5	
50FH-43		Check that control hinges and rotor mast move freely (without seizure and noise) with displacement of cyclic pitch control stick, pedals, and collective pitch control lever	67-10-00, Inspection/Checking, item 1	1.4.5	
50FH-44		Check condition and attachment of rods, bell cranks and roller fairleads of control system	67-10-00, Inspection/Checking, item 3	1-4	
50FH-45		Check condition of cyclic pitch control stick, pedals, and collective pitch control lever	67-10-00, Inspection/Checking, item 4	1	
50FH-46		Check that effort is rising with cyclic pitch control stick being deflected and this effort is removed with TRIM knob depressed. WARNING: NEVER DEFLECT CYCLIC PITCH CONTROL STICK WITH ROTOR BLADES FOLDED	67-11-00, maintenance, item 2	1	
50FH-47		Check collective pitch control lever for easy displacement and fixing with friction mechanism. WARNING: NEVER DEFLECT COLLECTIVE PITCH CON-TROL LEVER WITH ROTOR BLADES FOLDED	67-14-00, maintenance, item 1	1	
50FH-48		Check pedals for rising effort and full travel upon their displacement and removal of effort with TRIM button depressed. WARNING: NEVER DEFLECT PEDALS WITH ROTOR BLADES FOLDED	67-21-00, maintenance, item 1	1	
50FH-49		Drain oil sediment from flapping hinges and replenish oil, if required	62-20-00, Maintenance, item 2	5	
50FH-50		Check condition of rods and spherical attachment fittings of main engines mounts	71-20-00, Maintenance, item 1	4	
50FH-51		Drain sediment from traps of engine power equalization pipelines	71-90-00, Maintenance, item 2	4	

50FH-67		Check levers on engines and rotors brake control panel for easy and full displacement	76-11-00, Maintenance, item 2	1	
50FH-68		Check oil level in the oil tanks	79-11-00, Maintenance, item 2	4	
50FH-69		Check rotors for braking and unbreaking	63-24-00, Checking/ Troubleshooting, item 1	1	
50FH-70		Check visually condition of main gearbox and its oil system	63-20-00, Inspect/ Checking, item 1,	4	
50FH-71		Inspect and rinse oil filter of main gearbox	63-22-01, Maintenance, item 1	4	
50FH-72		Check oil quantity in main gearbox	63-21-00, Maintenance, item 2	4	
50FH-73		Inspect and rinse chip detectors in the main gearbox	63-45-01, Maintenance, item 1	4	
50FH-74		Inspect and check condition of dust protection devices (with removal of “mushroom”). Check cleanliness of intake ducts, separator, and manifold. Inspect blades of engines compressors for presence of ice. NOTE: If ice is detected, remove it with hot air (t° = +60. +70 °C). Make sure that compressor rotors rotate freely (by hand).		4	
50FH-75		Check functioning of A 036 radio altimeter in RA TEST mode	34-13-00, checking/ troubleshooting İtem 1	1	
50FH-76		Operability of APK-19 beacons built-in automatic switching device	34-50-00, Checking/ Troubleshooting, item 1	1	
50FH-77		Check ИВ-79П-В-2 vibration monitoring equipment by built-in test	ИВ-79П-В-2 ММ 077.31.00a	1	
50FH-80		Check condition of tank BAMBI BUCKET if there are any damages. Check control circuits of tank BAMBI BUCKET	see 25-54-01, Maintenance, item 3 Add. to section 25, 2 see 25-54-01, Maintenance, item 2		

50FH-104	31-50-00 - Warning and Caution System *CAC-4M-26 (IF INSTALLED)*	Check external condition and reliability of units fastening	Suppl.14 to MM 31-50-00, Maintenance. Item 2, 3	1	
50FH-105	31-50-00 - Warning and Caution System CAC-4M-26 (IF INSTALLED)	Check functioning of CAC-4M-26 by built-in test	Suppl.14 to MM 31-50-00, Maintenance. Item 1	1	
50FH-111	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check condition and unit’s attachment of radio altimeter	Suppl.11 to MM 34-13-00, Maintenance. Item 3	2	
50FH-112	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check serviceability of radio altimeter A-036A	34-13-00, Maintenance. Item 4	1	

100 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
100FH-01	HEATING AND VENTILATION SYSTEM	Check: - condition of units, pipelines and manifolds, check easy displacement and fixing of handle as per ref: 21-10-03, Maintenance, item 1 -condition of plenum ventilation as per ref: 21-30-00, Maintenance, item 2 -condition and attachment of temperature indicator as per ref: 21-20-00, Maintenance, item 1 - condition of cabin heating system components 21-20 00, Maintenance, item 2 -condition of wiring and assemblies and parts of unit 2714A 21-21-01, Maintenance, item 2	21-10-03, Maintenance, item 1 21-30-00, Maintenance, item 2 21-20-00, Maintenance, item 1 21-20-00, Maintenance, item 2 21-21-01, Maintenance, item 2	1 1 1 2 2	
100FH-02	22-10-00 - ПКВ-252-IV A FLIGHT NAVIGATION SYSTEM	Check condition and attachment of units of autopilot, track computers, БК-252 switching unit and central control panel	22-10-00, Maintenance, item 3	1	
100FH-03	23-00-00- COMMUNICATION EQUIPMENT	Switch on communication equipment before functional check and switch it off after check 23-10-00 - “ЯДРО-1Ж1” RADIO SET	23-00-00, Maintenance, item 1	1	
100FH-04	23-10-00 - “ЯДРО-1Ж1” RADIO SET	ЯДРО-1Ж1 MM CHECK: - condition and attachment of cable antenna, РК-153 lightening protection unit, through insulator, connection of lead-in and tension of antenna cable. - condition of antenna lead-in - condition of cables and bonding links - condition of shock mounts and attachment of units	ЯДРО-1Ж1 MM 023-10-00, Maintenance, item 1 023-10-00a 023-10-00b 023-10-00D	3 2 2 2	
100FH-05	23-20-00 - “ЮРОК” RADIO SET	ЮРОК” RADIO SET Check: - condition of antennas and light protection subsection item unit - condition of cables, feeders and grounding buses - perform functional test of radio set	ЮРОК (Yurok) MM ЮРОК (Yurok) MM, 023.20.006	1 1	
100FH-07	23-40-00 - INTERCOM	Check: - condition of electrical wiring to external buttons and condition of buttons - condition of ГСШ-А-18headset	23-40-00, Maintenance, item 1 23-40-00, Maintenance, item 2	1 1	

100FH-08	23-40-00 -П-510 ITEM	Check: -condition of patching cables, bonding links and attachment of instruments as per ref: 23-40-01, Maintenance, item 2 - side tone monitoring in intercom as per ref: 23-40-01, Checking/ Troubleshooting, item 2 - survivability of external communication line as per ref: 23- 40-01, Checking/ Troubleshooting, item 1	23-40-01, Maintenance, item 2 23-40-01, Checking/ Troubleshooting, item 2 23-40-01, Checking/ Troubleshooting, item 1	1 1 1	
100FH-09	25-10-01 - PILOT'S SEAT	Check condition of pilot's seat	25-10-01, Maintenance, item 1		
100FH-10	25-10-02 -CO-PILOT'S SEAT	Check condition of co-pilot's seat	25-10-02, Maintenance, item 1		
100FH-11	25-10-05 - FLYING GOGGLES	Check condition of flying goggles	25-10-05, Maintenance, item 1		
100FH-12	25-10-06 - INSTRUMENT FLYING BLINDS	Check: - condition of instrument flying blinds operation of instrument flying blinds	25-10-06, Maintenance, item 125-10-06, Maintenance, item 2		
100FH-13	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Check condition of system devices and mechanisms, condition and electric wiring and electric connectors of locks and sling cable	25-52-00, Maintenance, item 1		
100FH-14	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Check: - operability of ДГ-65 lock - serviceability of electrical and mechanical control over system opening lock serviceability of ДГ-65 mechanical control over upper lock opening	25-52-01, Maintenance, item 1.B(8) 25-52-0, Maintenance, item 3 25-52-1, Maintenance, item 1.B.(8)		
100FH15	25-53-00 - HOIST SYSTEM	Check: - condition of hoist system elements condition and attachment of АПГ-300 hoist and hoisting mechanism	25-64-00, Maintenance, item 1 25-53-00, Maintenance, items 1,2		
100FH16	26-00-00 - FIRE FIGHTING EQUIPMENT	Check condition and attachment of fire extinguishers 1-3-3, pipelines and discharge spray rings	26-21-01, Maintenance, item 2		
100FH17	26-00-00 - FIRE FIGHTING EQUIPMENT	Check tightening and locking of squib control head union nuts on fire extinguishers 1-3-3	26-21-00, Maintenance, item 3		

100FH-18	28-00-00 FUEL SYSTEM	Check: - condition of fuel tanks No. 5 - condition of external fuel tanks - absence of leakage at installation places of fuel tanks, air tightness of filler necks and drain valves - condition and attachment of air separators, filter 11ТФ30СТ and pipelines in the engine nacelle - condition, attachment and realign of single point fueling connection - condition of fittings on fueling control panel - condition of shutoff valves, cross-feed and felling valves, fuel system pipelines - condition and attachment of switching device of ТПР1-10Д fuel quantity indicating system - Rinse, inspect and check cleanliness of filter	28-10-00, Maintenance, item 3 28-11-00, Maintenance, item 3 28-10-00, Maintenance, item 4 28-22-00, Maintenance, item 3 28-21-01, Maintenance, item 2 28-21-00, Maintenance, item 1 28-22-00, Maintenance, item 4 28-41-01, Maintenance, item 3 28-22-00, Maintenance, item 2	2 2 2 4 2 2 2 2 4 2, 4	
100FH-19	28-00-00 FUEL SYSTEM	Rinse, inspect and check cleanliness of filter installed in auxiliary power unit engine pipeline	28-22-05, Maintenance, item 2		
100FH-20	29-00-00 - HYDRAULIC SYSTEM	Check: - condition of hoses, hydraulic system on- board fluid filling panel and manual pump of hydraulic tank pressurization; condition and attachment of units and pipelines. Check than or air tightness - condition and attachment of transmitters, pressure switches, temperature prober and system check instruments - air tightness and control of hydraulic tank pressurization - operation of pneumatic pump of hydraulic tank pressurization system	29-00-00, Maintenance, items 2, 3, 4 29-30-00, Maintenance, item 1 29-25-00, Maintenance, item 1 29-25-06, Maintenance, item 2	2, 4 4 2 2	
100FH-21	29-00-00 - HYDRAULIC SYSTEM	Check: - operability of hydraulic system - switching on and switching off of pump station	29-00-00, Inspection/ Checking, item 5 29-20-01, Inspection/ Checking, item 2	1 1	
100FH-22	29-20-01 -HC-46-2 HYDRAULIC PUMP STATION	Check condition and attachment of hydraulic pump station	29-20-01, Inspection/ Checking, item 1	4	

100FH-23	30-00-00 - ICE AND RAIN PROTECTION SYSTEM	Check: - condition and attachment windscreen wipers - operational system of flight compartment windows cleaning mechanism - condition and attachment of wire bundles of rotor blades anti-icing system - condition and attachment of ПКПС-1 cyclic timer of rotor blades anti-icing system	30-42-00, Maintenance, item 1 30-42-10, Maintenance, item 2 30-60-00, Maintenance, item 1 30-61-00, Maintenance, item 2	1 1 5 5	
100FH-24	30-80-00 - CO-121BM ICE DETECTOR	Check condition and attachment of electronic converter and icing detector probe	30-80-00, Maintenance, item 2	4	
100FH-25	30-80-00 - CO-121BM ICE DETECTOR	Check operability of ice detector by built-in test	30-80-00, Checking/ Troubleshooting, item 1	1	
100FH-26	31-00-00 - ON-BOARD AUTOMATIC MONITORING FACILITIES AND MAIN FLIGHT DATA RECORDING SYSTEMS	Check condition and attachment of МУ-615А angle position transmitter	31-30-01, Maintenance, item 5	4	
100FH-28	32-00-00 - LANDING GEAR	- Check: -condition and attachment of forks, struts, wheels, ground cable; pressure in main landing gear tires as per ref: 32-10-00, Maintenance, - items 1, 2 - condition of main landing shock struts as per ref: 32-11-00, maintenance, item 2 - condition and attachment of nose landing gear struts; pressure in wheel tires as per ref: 32-20-00, Maintenance, item 1 - -engagement of lever roller of nose landing gear shock strut steering collar with damper lever as per ref: 32-21-01, maintenance, item 1 - condition and attachment of ballonets; closing of locks; condition and attachment of doors; condition of ejectors, covers and locking of bleeding plugs as per ref: 32-90-00, Maintenance, item 1 32-90-00, Maintenance, item 2 condition of units and pipelines of ballonet pneumatic filling system as per ref: 32-93-00, maintenance, item 1	-32-10-00, Maintenance, items 1, 2 -32-11-00, Maintenance, item 2 -32-20-00, Maintenance, item 1, -32-42-00, Maintenance, item 1 -32-21-01, Maintenance, item 1 -32-90-00, Maintenance, item 1 -32-90-00, Maintenance, item 2 -32-93-00, Maintenance, item 1	2 2 2 2 2 2 2 2	-Ballonet not Installed our Fleet

100FH-29	33-00-00 - LIGHTING AND LIGHT WARNING	Check condition and attachment of equipment	33-00-00, Maintenance, item 1	1	
100FH-30	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Check condition and attachment of probes and units of pitot/static system and hoses running to them	34-11-00, Maintenance, item 4	1	
100FH-31	34-13-00 - A-036 RADIO ALTIMETER	Check condition of transceiver antennas and indicator	34-13-00, Maintenance, item 1,2,3,4	3	
100FH-32	34-15-00 - COC-B1-32-Э LIMIT SIGNAL SYSTEM	Check condition and attachment of УСВИ-200Э speed indicator	COC-B1-32-Э MM 34-15-00, No. 205	1	
100FH-33	34-15-00 - COC-B1-32-Э LIMIT SIGNAL SYSTEM	Check system operability	COC-B1-32-Э MM 34-15-00, No. 202	1	
100FH-34	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check condition and attachment of nondirectional antenna and fairings, lead-in safety; bonding links of units; attachment of cables and tightening of plug connectors; attachment of nuts; condition of instruments; shock mounts of units	34-50-00, Inspection/Checking, items 2, 3, 4, 5, 8, 9	2	
100FH-35	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - operability with built-in test 110.10.00 110.10.03 d,110.10.04 m, has per ref :34-50-50, items 1, 6 - operation of radio beacon automatic switching device 110- 10-00110-10-03 f,110-10-04 r	APK-19 MM 110.10. 00 110.10.3 d, 110.10.4 m, h 110-10-00 110-10-03 f, 110-10-04 r	1	
100FH-36	39-00-00 - INSTRUMENT BOARDS AND CONTROL PANELS	Check: - condition and attachment of instrument boards, panels and instruments installed on them as per ref: 39-00-00, Maintenance, item 1 positive operation of circuit breakers, selector switches, switches and buttons as per ref: 39-00-00, Maintenance, item 3	39-00-00, Maintenance, item 1 39-00-00, Maintenance, item 3	1	
100FH-37	49-00-00 - AUXILIARY POWER UNIT	Check condition of APU mounting frame and its attachment fittings to the airframe	49-11-00, Maintenance, item 1	4	

100FH-38	49-00-00 - AUXILIARY POWER UNIT	Check condition of engine, condition and attachment of units, pipelines and exhaust pipe	АИ-9 ММ, item 6.2.4 (2) 4 49-11-00, Maintenance, item 1, 49-81-00, Maintenance, item 1,	4	
100FH-38A	49-00-00 - AUXILIARY POWER UNIT	Inspect the contacts of the ignition coil proceeding	АИ-9 ММ item 6.2.4 (2)		
100FH-39	52-00-00 - DOORS	Check: - condition and attachment of flight compartment doors - condition and attachment of cabin emergency door and cover - serviceability and operability of cabin emergency release of cabin emergency door and cover	52-10-00, Maintenance, item 3 52-30-00, Maintenance, item 2 52-20-00, Maintenance, item 1	1 2 2	
100FH-40	53-00-00 - FUSELAGE	Check condition of fuselage enter skin	53-00-00 Inspection/ Checking, item 1	2	
100FH-41	54-00-00 - ENGINE NACELLE	Check condition of engines nacelle and its locks, cleanliness of drainage pipes	54-00-00, Maintenance, items 2, 3	4	
100FH-42	55-00-00-T AIL UNIT	Check condition of tail unit	55-50-00, Maintenance, item 1	3	
100FH-43	56-00-00 - WINDOWS	Check condition of windows	56-00-00, Maintenance, item 1	1	
100FH-44	62-00-00 - HELICOPTER MAIN ROTORS	Check in flight and eliminate hovering turn, if required	62-10-00, Dynamic Adjustment, Item 3	1	
100FH-45	62-10-00 - MAIN ROTOR BLADES	Check condition of main rotor blades	62-10-00, Inspection/ Checking, item 1	5	
100FH-46	62-20-00 - MAIN ROTOR MAST	Check: condition of swash plate assembly, sliders, torque links and upper bearing; condition of rods and their coupling with blade pawls, sliders, swash plate assemblies and bell cranks on the gearbox; condition of rotor hubs - condition and attachment of collective and differential pitch mechanism parts - condition and operation of blades folding/unfolding mechanisms, fixing of blades in folding mechanisms. clearances between ends of needle bearing sleeves of flap- ping hinges and vertical limiter casing	62-20-00, Inspection/ Checking, item 2 62-28-00, Maintenance, item 1 62-29-00, Maintenance, item 1 62-20-00, Maintenance, item 7	5 2 5 5	Clearance “A” shall be 0.7 mm minimum

100FH-47	62-20-00 - MAIN ROTOR MAST	- for absence of steel chips in oil of axial and flapping hinges - absence of chips in oil and condition of thrust bearings Д2Б2116-0/Г (Д2Б2116-0/В) of flapping hinges and nuts Д2Б2110-11/А for absence of cracks - Fabsence of lower slider sleeve play	62-20-00, Inspection/ Checking, item 3 62-20-00, Inspection/ Checking, item 7 62-27-00, Maintenance, item 1	5 5 5	The first check shall be done after accumulation of 500+10° hours
100FH-48	62-20-00 - MAIN ROTOR MAST	Check tightening of attachment nuts of main rotor hubs and locking of lower rotor hub nut and upper rotor hub eye-nut as	62-20-00, Inspection/ Checking, item 4	5	The first check shall be done after accumulation of 50 hours (after installation)
100FH-49	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Check condition of gearbox mount supporting stouts and brackets	63-20-00, Inspection/ Checking, item 2	4	
100FH-50	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Check condition of gearbox; its oil system and freedom from leakage	63-20-00, Inspection/Checking, item 1 63-21-01, Maintenance, item 1	4	
100FH-51	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Inspect and rinse gearbox oil filter, chip detector plugs of gearbox	63-22-01, Maintenance, item 1	4	
100FH-52	63-00-00 - HELICOPTER ROTOR DRIVE SYSTEM	Check operation of chip detector plug	BP-252 MM, 084.10.00 k,63-45-01, maintenance, item 1	2	
100FH-53	63-21-00 - GEARBOX OIL SYSTEM	Check condition and attachment of pipelines and oil cooler	63-21-00, Maintenance, item 1	ı4	
100FH-54	63-10-00 - TRANSMISSION SHAFTS	Check condition and attachment of fan drive shaft coupling and spring	63-10-00, Maintenance, item 1	4	
100FH-55	63-24-00 - MAIN ROTOR BRAKE SYSTEM	Check braking and unbreaking of rotors	63-24-00, Checking/ Troubleshooting, item 1	1	
100FH-56	63-24-00 - MAIN ROTOR BRAKE SYSTEM	Check condition of brake, clearance in brake	63-24-0, maintenance, item 2	4	
100FH-57	63-40-00- TRANSMISSION CONTROL INSTRUMENTS	Check condition and attachment of transmitters, position switches, pickups and instrument units	63-40-00, maintenance, item 1	4	
100FH-58	67-00-00 - CONTROLS	Check: - condition of helicopter control linkage elements, cyclic pitch control stick, pedals, and collective pitch control lever; condition and attachment of rods, bell cranks and roller tracks correspondence of swash plate assembly tilting to position (deflection) of cyclic pitch control stick	67-10-00, Inspection/ Checking, items 2, 3, 4 67-10-00, Maintenance, item 3	1-5	

100FH-59	67-01-00 - SERVO SYSTEM	Check condition and attachment of servo system	67-31-00, Inspection/Checking, item 1	4	
100FH-60	67-01-00 - SERVO SYSTEM	Check operability and smooth travel of servo system rods from main and alternate hydraulic systems	67-31-00, Inspection/Checking, item 2	1	
100FH-61	71-00-00 - POWER PLANT	Check: - condition and attachment of hot air tapping pipelines from main engines to heating and ventilation system and hydraulic tank pressurization system; flexible trunks and branch pipes tapping air from bypass valves of main engines - condition of rods and spherical attachment fittings of main engines - condition and attachment of pipelines, branch pipes and flexible trunks of cooling units of power plants - condition and attachment of fan, its engagement with drive shaft - condition and attachment of pipelines of engines power synchronization system	71-00-00, Maintenance, items 1, 2 71-20-00, Maintenance, item 1 71-80-00, Maintenance, item 1 71-81-00, Maintenance, item 1 71-90-00, Maintenance, item 1	4 4 4 4	
100FH-70	76-00-00 - ENGINE CONTROLS	Check condition and attachment of system parts and assemblies, easy and full displacement of levers on engine and rotor brake control panel	76-11-00, Maintenance, items 1, 2	1	
100FH-71	77-00-00 - ENGINE INSTRUMENTS	Check condition and attachment of transmitters, receivers and units and АПД-78 engine autos tart unit	77-00-00, maintenance, item 1	4	
100FH-72	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - condition and attachment of transmitters and electronic vibration measuring unit, ИВ-79П-В-2 vibration monitoring equipment by built-in test 077.31.00a 1	ИВ-79П-В-2 ММ 077.31.00b	1-4	
100FH-73	78-00-00 - EXHAUST SYSTEM	Check: - condition of main engine extension pipes, and their attachment clamps tightening of extension pipe attachment clamp turnbuckles	78-10-00 Maintenance, item 1 ТВ3-117 ММ clamp turnbuckles 072.58.00, No. 204 78-10-00, maintenance, item 2	4	Perform this operation after accumulation of the first 5+1 hours since clamp installation
100FH-74	79-00-00 - OIL SYSTEM	Check condition and attachment of oil tanks, oil coolers and pipelines	79-00-00, Maintenance, item 1	4	
100FH-75	80-00-00 MAIN ENGINE STARTING SYSTEM	Check condition and attachment of pipelines and branch pipes and АПД-78 engine auto start unit	80-10-00, maintenance, item 1	4	
100FH-76		Check sufficiency of signal emitted by the antenna of the emergency radio beacon ME 406 ELT	ME 406ELT MM Periodical maintenance, page 32	1,3	

300 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
300FH-01	21-00-00 HEATING AND VENTILATION SYSTEM	Check - operation of flight compartment and cabin heating system	21-20-00, Maintenance, item 3	2	
300FH-02	21-00-00 HEATING AND VENTILATION SYSTEM	Check - operation of УРТ-20К temperature regulator by ground test set 2600	21-21-00, Maintenance, item 1	1	
300FH-03	22-10-00 - ПКВ-252-IV A FLIGHT NAVIGATION SYSTEM	Check - technical characteristics with ИВС-252 simulator	22-10-00, Maintenance, item 2	1	
300FH-04	22-10-00 - ПКВ-252-IV A FLIGHT NAVIGATION SYSTEM	Check-operability	22-10-00, Checking/ Troubleshooting, item 2	1	
300FH-05	23-20-03 CO 2010 TRANSPONDER	Check CO-2010 By built in test on helicopter	Supp.31 to MM 23-20-03 Item 1	1	
300FH-12	24-00-00 - ELECTRICAL POWER SYSTEM	Check condition and attachment of system units and assemblies	24-00-00, Maintenance, item 1	4	
300FH-13	24-00-00 - ELECTRICAL POWER SYSTEM	Check operation of power supply sources: - 200 V / 115 V AC power sources	24-20-00, Checking/ Troubleshooting, item 1	1	
300FH-14	24-00-00 - ELECTRICAL POWER SYSTEM	Check operation of power supply sources: DC power sources	24-30-00, Checking/ Troubleshooting, item 1	1	
300FH-15	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Remove units and assemblies of external load sling system from helicopter	25-52-00, Removal/ Installation, item 1	2	
300FH-16	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Check minimum operating voltage of ДГ-65 locks in 27 V circuit	25-52-01, Maintenance, item 2		Laboratory (with test stand)
300FH-17	25-52-00 - EXTERNAL LOAD SLING SYSTEM	Install units and assemblies of external load sling system aboard helicopter	25-52-00, Removal/ Installation, item 1	2	
300FH-19	25-53-00 - RESCUE EQUIPMENT	Check: - operation of light ФР-9 on hoist boom	25-53-00, Maintenance, item 6	2	
300FH-20	25-53-00 - RESCUE EQUIPMENT	Check: - operability of ФПП-7М search flood light	33-50-00, Maintenance, item 1	1	
300FH-21	25-53-00 - RESCUE EQUIPMENT	Check: - operability of ПРФ-4МП search flood lights	33-50-00, Maintenance, item 2	1	
300FH-22	25-53-00 - RESCUE EQUIPMENT	Check: - angle sector within which search -4МП search flood lights can be deflected	33-50-00, Maintenance, item 3	1	
300FH-24	26-00-00 - FIRE FIGHTING EQUIPMENT	Check condition and attachment of ДПС- 1АГ fire detectors and БИ-2И unit and their electrical connectors	26-1-00, Maintenance, item 2	1	

300FH-43	62-20-00 - MAIN ROTOR MAST	Check slackness in thrust and radial bearings packs of swash-plate assemblies, backlash of torque link coupling lower rotor slip ring assembly with lower slider	62-20-00, Inspection/ Checking, items 5, 6	5	
300FH-44	63-00-00 - TRANSMISSION	Replace oil in the gearbox oil system	63-21-00, Maintenance, item 3	4	At least once every year
300FH-45	63-11-00 - GEARBOX OIL SYSTEM	Check cleanliness of oil cooler cores. Rinse oil cooler cores on the side of receiver	63-21-00, Maintenance, item 1.B.(2)	4	
300FH-46	63-10-00 - TRANSMISSION SHAFTS	Check fan drive shaft eccentricity	63-10-01, Maintenance, item 3	4	
300FH-47	63-24-00 - MAIN ROTOR BRAKING SYSTEM	Check: - condition and attachment of cables, rear assembly, lever-roller assembly, links from assembly to brake; tension of control linkage cables	63-25-00, Maintenance, items 1, 2	4	
300FH-48	63-24-00 - MAIN ROTOR BRAKING SYSTEM	Check: - adjustment of main rotor brake	63-24-01, Maintenance, item 3	4	
300FH-49	67-00-00 - CONTROL SYSTEM	Check: - condition and attachment of trim tab actuators	67-13-00, Maintenance, item 1	1	
300FH-50	67-00-00 - CONTROL SYSTEM	Check: - condition of rods, bell cranks and roller tracks of rudder control linkage, which are located in tail unit, fuselage rear section and cabin	67-10-00, Inspection/ Checking, item 5,B.(1)	2, 3	
300FH-51	67-00-00 - CONTROL SYSTEM	Check: - Check backlashes in longitudinal, lateral and directional control systems and in collective pitch control system; check forces requires displacing cyclic pitch control stick, pedals and collective pitch control lever; check adjustment of longitudinal, lateral and directional control and rotor collective pitch control	67-10-00, Inspection/ Checking, item 6	1	
300FH-52	72-00-00 - MAIN ENGINES	Inspect engine air-gas channel	ТВ3-117 ММ 072.00.00, No.608	4	Should be performed after 100 hours if an external load is used
300FH-53	72-00-00 - MAIN ENGINES	Engine's operation conditions are to be checked	Supplement № 5 to Bulletin No. К78-029-БЭ/БД (Н78М- 130 БЭ/БД)	4	
300FH-54	71-00-00 - POWER PLANT	Check fan flow channel for cleanness Wash fan flow channel sells from the receiver side	71-81-00, Maintenance, item 1	4	
300FH-55	71-00-00 - POWER PLANT	Check radial play of bearings in fan impeller	71-81-00, Repair, item 2	4	Starting from 1500 hours

300FH-56	71-00-00 – POWER PLANT	Check condition of front edges of fan impeller vanes	71-81-00, Maintenance, item 1	4	Starting from 2000 hours
300FH-62	72-00-00 - MAIN ENGINES	Check sealing of joints in fueling/oil drain plugs in the air starter		4	
300FH-65	76-00-00 - ENGINE CONTROL SYSTEM	Check: - tension of cables	76-11-00, Maintenance, item 3	2	
300FH-66	76-00-00 - ENGINE CONTROL SYSTEM	Check: - system adjustment	76-11-00, Maintenance, item 4	2	
300FH-67	76-00-00 - ENGINE CONTROL SYSTEM	Check: - backlashes in system elements; lubricate hinged joints and cables	76-11-00, Maintenance, item 5	2	
300FH-68	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - БЭ-43-8 electronic units' graduation on helicopter	ИВ-79П-В-2 ММ 077.31.00c	4	
300FH-69	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - operation of warning and caution indication of БЭ-43-8 electronic units on helicopter	ИВ-79П-В-2 ММ - 077.31,00d	4	
300FH-70	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check - output voltage of БЭ-43-8 electronic units on helicopter	ИВ-79П-В-2 ММ - 077.31,00e	4	
300FH-71	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - БЭ-43-8 electronic units by built-in test	ИВ-79П-В-2 ММ - 077.31,00f	4	
300FH-72	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check: - МВ-04-1 vibration detector on helicopter	ИВ-79П-В-2 ММ - 077.31.00g	4	
300FH-73	79-00 -00 - OIL SYSTEM	Check cleanliness of oil coolers cores. Rinse oil cooler cores on the side of receiver	79-00-00, Maintenance, item 1 ,B.(2)	4	
300FH-74	34-55-00 AMS INDICATOR	Check serviceability of AMS Indicator	34-55-00, Maintenance Item 2	2	
300FH-76	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Remove radio altimeter units from helicopter and inspect them	Suppl. 11 to MM 34-13-00, Maintenance, item 1	2	
300FH-77	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check radio altimeter parameters on test stand	MM A-036, 110.42.00 o, p, g, s, t, u, w, i		Laboratory (with test stand)
300FH-78	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Install radio altimeter units on helicopter	34-13-00 Maintenance, item 2	2	
300FH-79	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check condition and radio altimeter units fastening	34-13-00 Maintenance, item 3	2	
300FH-80	34-13-00 - Radio Altimeter A-036A (IF INSTALLED)	Check serviceability of radio altimeter A-036A.	34-13-00 Maintenance, item 4	1	

500 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
500FH-01	62-20-00 - MAIN ROTOR MAST	Replace bearings Д2Б2200-80Г (Д252200-80Е) of rotor drag hinges as per ref: 62-21-00, Repair, item 1		5	Operation is performed on logging only.
500FH-02	63-50-00 - MAIN ROTOR BRAKING SYSTEM	Check thickness of brake shoe facings as per ref: 63-24- 01, Maintenance, item 2.B.(3)		4	First check after accumulation of 1500 hours

600 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
600FH-01	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Remove indicator from helicopter	ПКП-77 ММ 022.14.01	1	
600FH-02	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Check indicator with КПА-72 test set	ПКП-77 ММ 022.14.01 a, c		Laboratory (with test stand)
600FH-03	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Install indicator on helicopter	ПКП-77 ММ 022.14.01	1	
600FH-04	22-14-01 - ПКП-77 FLIGHT DIRECTOR INDICATOR	Check indicator operability	ПКП-77 ММ 022.14.01 b	1	
600FH-05	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Remove indicator from helicopter	ПНП-72 ММ 022.14.02	1	
600FH-06	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Check indicator with КПА-72 test set	ПНП-72 ММ 022.14.02c		Laboratory (with test stand)
600FH-07	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Install indicator on helicopter	ПНП-72 ММ 022.14.02	1	
600FH-08	22-14-02 - ПНП-72-15 HORIZONTAL SITUATION INDICATOR	Check indicator operability	ПНП-72 ММ 022.14.02b	1	
600FH-09	23-40-00- INTERCOM	Check ГСШ-А-18 headset for compliance with standard technical parameters	23-40-00, Maintenance, item 3	1	
600FH-10	24-00-00 - ELECTRICAL POWER	Check condition and attachment of junction boxes. Open boxes, check condition and attachment of parts and elements, condition of wiring	24-50-00, Maintenance, items 1, 2, 3	4	
600FH-11	24-00-00 - ELECTRICAL POWER	Clean ВУ-6Б rectifier terminals of dust and dirt	24-30-01, Maintenance, item 6	4	
600FH-12	25-52-00 - EXTERNAL LOAD SLING RYRTFM	Check traction dynamometer for correct readings	25-52-02, Checking/Troubleshooting, item 1	I2	

600FH-13	25-53-00 - RESCUE EQUIPMENT	..continuity of pyro cartridge control circuit of sling heist cable shears ..operability of pyro cartridge of sling hoist cable shears	25-53-00, Maintenance, item 4 25-53-00, Maintenance, item 5	2	
600FH-14	26-00-00 - FIRE FIGHTING EQUIPMENT	Remove ДПС-1 АГ fire detectors with ССП-2И-РМ receptacles, БИ-2АЮ actuating unit	26-11-00, Maintenance, item 1	4	
600FH-15	26-00-00 - FIRE FIGHTING EQUIPMENT	Clean of dirt and oil ДПС-1 АГ fire detectors. Check condition of electrical connector pins and sockets, wash connectors with alcohol and blow them compressed air	26-11-00, Maintenance, item 2, 3		Laboratory (with test stand)
600FH-16	26-00-00 - FIRE FIGHTING EQUIPMENT	Check parameters of fire detector system with use of ПП СПП test set	26-11-00, Maintenance, item 4		Laboratory (with test stand)
600FH-17	26-00-00 - FIRE FIGHTING EQUIPMENT	Install ДПС-1 АГ fire detectors with ССП-2 И-РМ receptacles, БИ-2АЮ actuating unit aboard helicopter	26-11-00, Maintenance, item 1	4	
600FH-18	26-00-00 - FIRE FIGHTING EQUIPMENT	Check continuity of electrical circuits of fire detector system	26-11-00, Maintenance, item 1	1	
I600FH-19	26-00-00 - FIRE FIGHTING EQUIPMENT	Extract pyro cartridges from squib control heads of fire extinguishers 1-3-3 and check: -condition of cartridge firing mechanisms -continuity of pyro cartridge electrical circuits in fire extinguishing system	26-20-00, Maintenance, item 1 26-20-00, Checking/ Troubleshooting, item 1		
600FH-20	26-00-00 - FIRE FIGHTING EQUIPMENT	Check continuity of pyro cartridge electrical circuits in fire extinguishing system	26-20-00, Checking/ Troubleshooting, item 2	1	
600FH-21	28-00-00 - FUEL SYSTEM	Check condition of vent air inlets of fuel tanks and drainpipes	28-23-00, Maintenance, item 1	2	
600FH-22	28-00-00 - FUEL SYSTEM	Remove ТПР-10Д and ТПР1-13 fuel quantity indicating systems, СД-3ТУ and СД-29А pressure switches	28-41-01, Maintenance, item 1; 28-41-02, Maintenance, item 1; 28-42-01, Maintenance, item 1; 2-42-02, Maintenance, item 1	2	
600FH-23	28-00-00 - FUEL SYSTEM	Check: -condition of electrical connectors of fuel quantity indicating system transmitters as per ref: 28-41-03, Maintenance, item 1 -main parameters of ГД-3ТУ and СД- 29А pressure switches	28-42-00, Maintenance, item 1		Laboratory (with test stand)

600FH-24	28-00-00 - FUEL SYSTEM	Install ТПР1-10Д, ТПР1-13 fuel quantity indicating systems and СД-3ТУ, СД-29А pressure switches aboard helicopter	28-41-01, Maintenance, item 1; 28-41-02, Maintenance, item 1; 28-42-01, Maintenance, item 1; 28-42-02, Maintenance, item 1	2	
600FH-25	28-00-00 - FUEL SYSTEM	Check operability of ТПР1-10Д fuel quantity indicating system and ТПР1-13 indicating system metering portion	28-41-01, Checking/ Troubleshooting, item 1; 28-41-02, Checking/ Troubleshooting, item 1	1	
600FH-26	28-41-00-ТПР1-10Д, ТПР1-13 FUEL QUANTITY INDICATING SYSTEMS	Check parameters of fuel quantity indicating system with use of РПС1 (РПСА) test set	ТПР1-10Д ММ, 028.41.00, №211; ТПР1-13 ММ, 028.41.00, №206	1	
600FH-27		Check calibration of sensors	31-30-00, Maintenance, item 3	1	
600FH-31	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Remove from helicopter: vertical speed indicator 7060, altimeters 5934РА-3, УСВИ- 200Э speed indicator, ДВС-24 airspeed sensor, К3В-0-015 altitude controller with БСГ warning unit	34-14-02, Maintenance, item 1; 34-14-03, Maintenance, item 1; 34-12-01, maintenance, item 1; 34.15.02, Maintenance, item 5	1	
600FH-32	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Blow pitot/static system with compressed air. Check correction ring on ПВД-6М tube for proper setting	34-11-00, Maintenance, item 6	1	
600FH-33	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Check main parameters of УСВИ-200Э speed indicator, altimeter 5934РА-3, vertical speed indicator 7060, ДВС-24 airspeed sensor, К3В-0-015 altitude controller and ДВ-15М altitude sensor	34-14-02, Maintenance, item 2; 34-15-02, Maintenance, item 1	1	
600FH-34	34-11 -00 - PITOT AND STATIC PRESSURE SYSTEM	Install aboard helicopter: vertical speed indicator 7060, altimeters 5934РА-3, ДВ- 15М altitude sensor, УСВИ-200 speed indicator, ДВС-24 air speed sensor, К3В-0- 015 altitude controller with БСГ warning unit	34-14-02, Maintenance, item 1; 34-14-03, Maintenance, item 1; 34-12-01, Maintenance, item 1; 34.15.02, Maintenance, item 5	1	
600FH-35	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Remove from helicopter: МГВ-1СУ8 vertical gyro, ВК-53РВ erecting cutout switch	34-23-01 Removal/ Installation, item 1; 34-21-07, Maintenance, item 1	2	

600FH-36	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Check parameters of vertical gyro and erecting cutout switch	34-23-01, Adjustment/ Test, item 1; 34-21-07, Maintenance, item 3	1	
600FH-37	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Install aboard helicopter: МГВ-1СУ8 vertical gyro, ВК-53РВ erecting cutout switch	34-23-01, Removal/ Installation, item 1; 34-21-07, Maintenance, item 1	2	
600FH-38	34-20-00 - ATTITUDE MEASURING INSTRUMENTS	Check functioning of vertical gyro erection system	34-23-01, Inspection/ Checking, item 3	1	
600FH-39	34-23-02 - GYRO HORIZON	Remove gyro horizons from helicopter	34-23-02, Removal/ Installation, item 1B	1	
600FH-40	34-23-02 - GYRO HORIZON	Check their parameters	34-23-02, Adjustment/ Test, item 2	1	
600FH-41	34-23-02 - GYRO HORIZON	Install gyro horizons on the helicopter	34-23-02, Removal/ Installation, item 1C	1	
600FH-42	34-23-02 - GYRO HORIZON	Carry out alignment of gyro horizons after their installation	34-23-02, Adjustment/ Test, item 1B	1	
600FH-43	34-23-02 - GYRO HORIZON	Check operability of gyro horizons	34-23-02, Checking/ Troubleshooting, item 1B	1	
600FH-44	34-41-00 - “ГРЕБЕНЬ-2” COMPASS SYSTEM	Check operability of compass system with use of ground test equipment	“Гребень-2” ММ 034.41.00, pages 235-239	2	
600FH-45	62-20-00 - MAIN ROTOR MAST	Check condition of bearings and springs of centrifugal blade drop stops	62-21-00, Maintenance, items 1A, 1B	5	
600FH-46	62-20-00 - MAIN ROTOR MAST	Check smooth rotation of bearings in: -ТСВ36М033 slip ring -outer ring of upper swash plate assembly -rods of low collective differential pitch (МОДШ)	30-63-00, Maintenanc,5 item 4 62-24-00, Maintenance, 5 item 1 62-28-00, Maintenance, item 2		First check to be performed in 1ООО +200 -100 hours
600FH-47	63-42-00 - TRANSMISSION CONTROL INSTRUMENTS	Check operability of УРТ-100Т temperature regulator with use of test panel 2600	63-42-01, Maintenance, item 1	1	
600FH-48	77-31-00 - ИВ-79П-В2 VIBRATION MONITORING EQUIPMENT	Check insulation resistance of lines running from МВ-0,4- vibration pick-ups to БЭ-48-8 units	77-31-00, Inspection/ Checking, item 2	4	
600FH-49	80-00-00 MAIN ENGINE STARTING SYSTEM	Check air pressure in system as per	80-10-00, Maintenance, item 2	1	Perform this operation also after replacement of АИ-9 engine
600FH-52	31-30-00 - PARAMETRIC INFORMATION AND AUDIO INFORMATION FLIGHT DATA RECORDER РПИ-2-02	Check: - external condition of units БСПИ-2-02, ЗБН-2М, ПУИ-2М, - automatic activation of recording of РПИ-2-02 article, ПАМ-6к.	31-30-00 31-30-00 31-30-00	2 2 2	12 months (*) 12 months (*) 12 months (*)

1000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
1000FH-01	62-20-00 - MAIN ROTOR MAST	Demount rotor mast from the helicopter, preserve it, pack in container, and send it to an organization certified to perform works on this mast:	62-20-00, Removal/Installation, item 1 62-20-00, Storage, item 1E	5	
1000FH-02	67-00-00 - CONTROL SYSTEM	Remove rods from mechanism of collective and differential pitches to rudders and check condition of bearings, their attachment in rods and bell cranks	67-10-00, Removal/ Installation, item 4 67-10-00 Inspection/Check,item 3	2	Perform first check after 4000 operating hours
1000FH-03	76-00-00 - ENGINE CONTROL SYSTEM	Remove engine control rod 9 (fig. 201) and check its condition	76-11-00, Maintenance, items 1. (10), 5.(4)	2	Perform first check after 4000 operating hours

1200 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
1200FH-01	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Remove the radio set units from the helicopter	“Ядро-1Ж1” ММ 023.10.ООд	2	
1200FH-02	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check condition of cable connectors and units.	“Ядро-1Ж1” ММ 023.10.ООб	2	
1200FH-03	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Clean the units	“Ядро-1Ж1” ММ 023.10.ООе	2	
1200FH-04	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check: - wiring condition of units condition of light indicators and controls	“Ядро-1 Ж1” ММ 023.10. ооg 023.10.ООж	2	
1200FH-05	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Inspect mechanisms of units Б4 and Б5	“Ядро-1Ж1” ММ 023.10.ООк	2	
1200FH-06	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Check: - current intensity in dummy antenna, signal shape, frequency setting accuracy, self-test voltage tuning time, modulation depth as per ref: 023.10.00k sensitivity, receiver inherent noise, noise suppressor, automatic gain control	"Ядро-1Ж1" ММ 023.10.ООл 023.1 О.ООlм	2	Laboratory (with test stand)
1200FH-07	23-10-00 - “ЯДРО-1Ж1” RADIO SET	Install units on the helicopter	“Ядро-1Ж1” ММ 023.10.ООп	2	
1200FH-08	23-10-00 “ЯДРО-1Ж1” RADIO SET	Check operability of radio set by built-in test as per ref:	“Ядро-1 Ж1” ММ 023.10.ООо	1	

1200FH-15	23-40-00-П-510 ITEM	Check: condition of wiring and parts in units condition of integral lights, inscriptions, and controls of БВ-9 instruments output voltages of external communication channels in receive mode, output voltages of external communication channels in transmit mode, output voltages of intercom channel	WП-510MM 023.40.01b 023.40.01j 023.40.01c 023.40.01 d 023.40.01 e		Laboratory (with test stand)
1200FH-16	23-40-00-П-510 ITEM	Install БВ-9, БВ-10, МН-10 instruments abroad helicopter	П-510 MM 023.40.01 g	2	
1200FH-17	23-70-00 - VOICE RECORDER RADIO EQUIPMENT	Remove amplifier unit of СПУ-9 intercom system from helicopter	23-70-00	2	
1200FH-18	23-70-00 - VOICE RECORDER RADIO EQUIPMENT	Measure output voltage of amplifier channel	23-70-00	2	Laboratory (with test stand)
1200FH-19	23-70-00 - VOICE RECORDER RADIO EQUIPMENT	Install amplifier unit of СПУ-9 intercom system aboard helicopter	23-70-00	2	
1200FH-21	24-00-00 - ELECTRIC POWER SYSTEM	Check operation of 36 VAC power sources and 115V and 36 VAC emergency power sources	24-20-00, Checking/ Troubleshooting, item 2	1	
1200FH-22	24-20-08 - ПТС-800АМ THREE-PHASE STATIC INVERTER	Check operability of static inverter with УПП-1 test set	24-20-08, Maintenance, 1 item 1	1	
1200FH-23	29-00-00 - HYDRAULIC SYSTEM	Remove ИТ1П-60/260, ИП2П-60/260, И2П-100, И1П-100, И1П-240 indicators from helicopter	29-31-01, Maintenance, item 1; 29-31-02, Maintenance, item 1 29-31-04, Maintenance, item 1; 29-31-06, Maintenance, item 1 29-32-02, Maintenance, item 1; 29-32-04, Maintenance, item1	4	
1200FH-24	29-00-00 - HYDRAULIC SYSTEM	Check main parameters of И1П-100, И2П- 100, И1П-240 indicators and main errors of ИТ1П-60/260, ИТ2П-60/260 indicators	29-31-00, Maintenance, item 1; 29-32-00, Maintenance, item 1		Laboratory (with test stand)
1200FH-25	29-00-00 - HYDRAULIC SYSTEM	Install ИТ1П-60/260, ИТ2П-60/260, И2П-100, И1П-100, И1П-240 indicators on the helicopters as per ref:	29-31-01, Maintenance, item 1; 29-31-02, Maintenance, item 1; 29-31-04, Maintenance, item 1; 29-31-06, Maintenance, item 1; 29-32-02, Maintenance, item 1; 29-32-04, Maintenance, item 1	4	

1200FH-26	30-80-00 - CO-121 BM ICE DETECTOR	Remove the ice detector from the helicopter	30-80-00, Maintenance, item 1	4	
1200FH-27	30-80-00 - CO-121 BM ICE DETECTOR	Check main parameters	30-80-00, Maintenance, item 3		Laboratory (with test stand)
1200FH-28	30-80-00 - CO-121 BM ICE DETECTOR	Install the ice detector on the helicopter	30-80-00, Maintenance, item 1	4	
1200FH-29	31-00-00 - FLIGHT DATA RECORDER	Remove from helicopter: ДВ-15М altitude sensor	31-30-02, Maintenance, item 1	1	
1200FH-30	31-00-00 - FLIGHT DATA RECORDER	Install ДВ-15М altitude sensor aboard helicopter	31-30-02, Maintenance, item 1		
1200FH-31	31-30-00 - РПИ-2-02Airborne flight data recorder of parametric information and recording of audio information	Check automatic switching on of record of РПИ-2-02 article	РПИ-2-02 ММ 031.31.00, № 209		
1200FH-32	31-30-00 – РПИ-2-02Airborne flight data recorder of parametric information and recording of audio information	Check automatic switching on of record of РПИ-2-02 article	РПИ-2-02 ММ 031.31.00, № 209		
1200FH-33	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check ПАМ-6К	РПИ-2-02 ММ 031.31.00, № 206		
1200FH-34	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Remove БУ-1, БАП-1, БК-7-2 units from the helicopter	31-50-01, Maintenance, item 1, Area:2 31-50-02, Maintenance, item 1 31-50-03, Maintenance, item 1		
1200FH-35	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Check functioning of БУ-1, БАП-1, БК-7-1	CAC-4 ММ 033.13.00 d, e, f		Laboratory (with test stand)
1200FH-36	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Install БУ-1, БАП-1, БК-7-2 units on the helicopter	31-50-01, Maintenance, item 1 31-50-02, Maintenance, item 1 31-50-03, Maintenance, item 1	2	
1200FH-37	31-50-00 - CAC-4 MASTER WARNING SYSTEM	Check system operability	31-50-00, Checking/ Troubleshooting, item 1	1	
1200FH-38	32-00-00 - LANDING GEAR	Remove ДИМ-40Т pressure gauge from helicopter	32-50-00, Maintenance, item 3	1	
1200FH-39	32-00-00 - LANDING GEAR	Check main parameters of ДИМ-40Т pressure gauge	32-50-00, Maintenance, item 5	1	Laboratory (with test stand)

1200FH-40	32-00-00 - LANDING GEAR	Install ДИМ-40Т pressure gauge aboard helicopter	32-50-00, Maintenance, item 4	1	
1200FH-41	34-11-00 - PITOT AND STATIC PRESSURE SYSTEM	Check air rightness of pitot/static tube with compressed air NOTE: After installation of instruments on helicopter	34-11-00, Maintenance, item 4	1	
1200FH-46	34-13-00 - A-036 RADIO ALTIMETER	Remove radio altimeter units from helicopter	34-13-00, Maintenance, item 2	2	
1200FH-47	34-13-00 - A-036 RADIO ALTIMETER	Check sensitivity, event signal and alert altitude signal setting, radiated frequency range with use of ПС-11-01 instrument	A-036 MM 10.42.05 л, м, н, п		Laboratory (with test stand)
1200FH-48	34-13-00 - A-036 RADIO ALTIMETER	Install radio altimeter units aboard helicopter	34-13-00, Maintenance, item 2	2	
1200FH-49	34-13-00 - A-036 RADIO ALTIMETER	Check bonding link contact resistance between transceiver and helicopter chassis frame, between antenna flanges and helicopter skin	A-036 MM 10.42.05e	2	
1200FH-50	34-13-00 - A-036 RADIO ALTIMETER	Check setting of event signals and alert altitude signal with use of ПС-11-02 instrument	A-036 MM 10.42.05b	1	
1200FH-51	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Remove BCO-32 limit signal computer and two УСВИ-200Э speed indicators from helicopter	34-15-00, Maintenance, items 2.B.(1), 2.B.(2)	1	
1200FH-52	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Check: - output parameters of BCO-32 limit signal computer	COC-B1-32-Э MM, 034.13.16, No. 201		Laboratory (with test stand)
1200FH-53	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Check: - air tightness of pitot/static tube, main error and readings variation of indicated airspeed of УСВИ-200Э indicator	34-15-00, Maintenance, items 2,3, 4		Laboratory (with test stand)
1200FH-54	34-15-00 - COC-B1-32-Э LIMITING SIGNAL SYSTEM	Check: Install BCO-32 limit signal computer and two УСВИ-200Э speed indicators aboard helicopter	34-15-00, Maintenance, items 2,B.(3), 2.B.(4)	1	
1200FH-55	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Remove from helicopter: control panel, fine tuning unit, receiver, preliminary tuning unit, antenna coupler, frame antenna	34-50-00, Removal/ Installation, item 1	1,2	
1200FH-56	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - condition of wiring and attachment of unit parts, condition of pins and jacks of electric connectors	APK-19 MM 110.10.00, 110.10.04k, o		Laboratory (with test stand)
1200FH-57	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - receiver sensitivity, frequency setting accuracy, threshold sensitivity to beacon signals	APK-19 MM 110.10.00, 110.10.04д, e		Laboratory (with test stand)
1200FH-58	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Check: - bearing error, automatic rotation speed	APK-19 MM, 110.10.00, 110.10.04m		Laboratory (with test stand)
1200FH-59	34-50-00 - APK-19 AUTOMATIC DIRECTION FINDER	Install control panel, fine tuning unit, receiver, preliminary tuning unit, antenna coupler, frame antenna aboard helicopter	34-50-00 , Removal/ Installation, item 1	1,2	

1200FH-60	34-60-00 - SELF-CONTAINED INSTRUMENTS	Remove aircraft clock from helicopter	34-60-00, Maintenance, 1	1	
1200FH-61	34-60-00 - SELF CONTAINED INSTRUMENTS	Check aircraft clock accuracy as per ref:	34-60-00, Maintenance, item 2		Laboratory (with test stand)
1200FH-62	34-60-00 - SELF-CONTAINED INSTRUMENTS	Install the aircraft clock on the helicopter		1	
1200FH-66	35-00-00 - OXYGEN EQUIPMENT	Install oxygen Supply units and smoke protection oxy-gen masks aboard helicopter		1	
1200FH-67	49-00-00 - AUXILIARY POWER UNIT	Remove TCT-282C temperature indicator from helicopter	49-70-01, Maintenance, item 1	1	
1200FH-68	49-00-00 - AUXILIARY POWER UNIT	Testing TCT-282C Temperature Gauge for Basic Parameters Remove TCT-282C temperature indicator from helicopter	49-70-01, Maintenance, item 2		Laboratory (with test stand)
1200FH-69	49-00-00 - AUXILIARY POWER UNIT	Install temperature indicator aboard helicopter	49-70-01, Maintenance, item 1	1	
1200FH-70	53-00-00 - FUSELAGE	Check condition of frames No. 7 and 9	53-40-00, Maintenance, item 1.B.(1).(a)	2	
1200FH-71	66-60-00 - TRANSMISSION CONTROL INSTRUMENTS	Remove МСТВ-1,3 pressure switch, ИТ2П- 60/260 БСК and И2П-8 БСК indicators from helicopter	63-43-01, Maintenance, item1, 63-41-02, Maintenance, item 1 63-41-04, Maintenance, item 1	1,4	
1200FH-72	66-60-00 - TRANSMISSION CONTROL INSTRUMENTS	Check response error of МСТВ-1,3 pressure switch, reading error of ИТ2П-60/260 БСК and И2П-8 БСК indicators			Laboratory (with test stand)
1200FH-73	66-60-00 - TRANSMISSION CONTROL INSTRUMENTS	Install МСТВ-1,3 pressure switch, ИТ2П- 60/260 БСК, И2П-8 БСК indicators aboard helicopter	63-43-01, Maintenance, item 1 , 63-41-02, Maintenance, item1, 63-41-04, Maintenance, item 1	1,4	
1200FH-74	67-00-00 - CONTROL SYSTEM	Remove УП11 -23 pitch indicator complement from helicopter	67-41-01, Maintenance, item 1; 67-41-02, Maintenance, item 1		
1200FH-75	67-00-00 - CONTROL SYSTEM	Check indicator reading error	67-41-00, Maintenance, item 1		Laboratory (with test stand)
1200FH-76	67-00-00 - CONTROL SYSTEM	Install УП11-23 pitch indicator complement aboard helicopter	67-41-01, Maintenance, item1 67-41-02, Maintenance, item 1	1	
1200FH-77	67-00-00 - CONTROL SYSTEM	Remove minimum pressure switch from helicopter	ТВ3-117 ММ 072.90.18	4	

1200FH-78	72-90-18 - МСТВ-2,5 MINIMUM PRESSURE SWITCH	Check minimum pressure switch parameters	ТВ3-117 ММ 072.90.18		Laboratory (with test stand)
1200FH-79	72-90-18 - МСТВ-2,5 MINIMUM PRESSURE SWITCH	Install minimum pressure switch aboard helicopter	ТВ3-117 ММ 072.90.18	4	
1200FH-80	77-00-00 - ENGINE CONTROL INSTRUMENTS	Remove from the helicopter: - ИТЭ-2Т tachometer complement	77-10-01, Maintenance, item 1	1,4	
1200FH-81	77-00-00 - ENGINE CONTROL INSTRUMENTS	Remove from the helicopter: - ИР-117В engine pressure ratio (EPR) indicator	77-10-02, Maintenance, items 1, 2, 3, 4	1,4	
1200FH-82	77-00-00 - ENGINE CONTROL INSTRUMENTS	Remove from the helicopter: - 2ИА-6 temperature indicator complement	77-21-00, Maintenance, items 1,2	1,4	Without removal of thermocouples
1200FH-83	77-00-00 - ENGINE CONTROL INSTRUMENTS	Check - main parameters of ИТЭ-2Т tachometer as per ref:	77-10-01, Checking/ Troubleshooting, item 1		Laboratory (with test stand)
1200FH-84	77-00-00 - ENGINE CONTROL INSTRUMENTS	Check - reading error of ИР-117В EPR indicator a s per ref:	77-10-02, Maintenance, items 5, 6		Laboratory (with test stand)
1200FH-85	77-00-00 - ENGINE CONTROL INSTRUMENTS	Check - error of 2ИА-6 temperature indicator	77-21-00, Maintenance, item 3		Laboratory (with test stand)
1200FH-86	77-00-00 - ENGINE CONTROL INSTRUMENTS	Install the following item on the helicopter: ИТЭ-2Т tachometer complement	77-10-01, Maintenance, item 1	1	
1200FH-87	77-00-00 - ENGINE CONTROL INSTRUMENTS	Install the following item on the helicopter: - ИР-117В EPR indicator	77-10-02, Maintenance, items 1-4	1	
1200FH-88	77-00-00 - ENGINE CONTROL INSTRUMENTS	Install the following item on the helicopter: - 2ИА-6 temperature indicator complement	77-21-00, Maintenance, items 1, 2	1	
1200FH-89		Check: - operation of gas temperature indicators by built-in test as per ref: 77-22-00, Checking/ Troubleshooting, item 1	77-22-00, Checking/ Troubleshooting, item 1	1	
1200FH-91		Perform calibration of gage circuits, check discrete commands and audio data passage	РПИ-2-02 ММ 031.31.00, No. 210	2	24 months (*)
1200FH-94		Blow, wipe, and grease connectors СНЦ	РПИ-2-02 ММ 031-31-00, No. 212	2	24 months (*)
1200FH-95	31-50-00 - Warning and Caution System САС- 4М-26 (IF INSTALLED)	Remove from helicopter units БУ-1М, БАП-1М, БК-7-2	Suppl. 14 to ММ Removal/ Installation, 31-50-01 it. 1, 31-50-02 it. 1, 31-50-03 it. 1	1	
1200FH-96	31-50-00 - Warning and Caution System САС- 4М-26 (IF INSTALLED)	Check functioning of units БУ-1М, БАП-1М, БК-7-2	САС-4М ММ 033.64.00 No.205, 206, 210		Laboratory (with test stand)

1200FH-97	31-50-00 - Warning and Caution System САС- 4М-26 (IF INSTALLED)	Install on helicopter units БУ-1М, БАП-1М, БК-7-2	Suppl. 14 to MM Removal/ installation, 31-50-01 it. 1, 31-50-02 it. 1, 31-50-03 it. 1	1	
1200FH-101	34-15-02 - Air Speed Indicator УСВИЦ-350-3 (IF INSTALLED)	Define error of air speed indicator УСВИЦ-350-3	Suppl. 11 to MM 34-15-02, Troubleshooting item 2	1	
1200FH-102	34-15-02 - Air Speed Indicator УСВИЦ-350-3 (IF INSTALLED)	Check air speed indicator УСВИЦ-350-3 for tightness	34-15-02 Troubleshooting item 3	1	
1200FH-103	34-15-02 - Air Speed Indicator УСВИЦ-350-3 (IF INSTALLED)	Check air speed indicator УСВИЦ-350-3 for tightness	34-15-02 Maintenance, item 1	1	

1800 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
1800FH-1	23-20-00 - “ЮРОК” RADIO SET	Remove the radio set from helicopter Inspect it visually	"ЮРОК” MM 023.20.00d	1,2	
1800FH-2	23-20-00 - “ЮРОК” RADIO SET	Check radio set parameters on test bench: -output power of transmitter -frequency stability of transmitter -modulation coefficient of transmitter -sensitivity of receiver, operation of noise taking bearings, automatic gain and output voltage control	023.20.00f 023.20.00g 023.20.00h 023.20.00i		Laboratory (with test stand)
1800FH-3	23-20-00 - “ЮРОК” RADIO SET	Install the radio set on the helicopter	“ЮРОК” MM 023.20.00a	1,2	
1800FH-4	23-20-00 - “ЮРОК” RADIO SET	Check radio set operability	“ЮРОК” MM 023.20.00b	1	
1800FH-5	23-20-03 TRANSPONDER CO-2010	Check CO-2010 using device IFR 6000 on helicopter	CO-2010 MM 113.32.11İ	1	

2000 FH SCHEDULE MAINTENANCE CHECK

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
2000FH-01	29-00-00 - HYDRAULIC SYSTEM	Change working fluid in hydraulic system and PC-60 servo	29-00-00, Maintenance, item 1	2	
2000FH-02	67-00-00 - CONTROL SYSTEM	Check wear of metal-teflon hubs in bell cranks of lateral and longitudinal controls as	67-10-00, Inspection/checking, item 6	1	
2000FH-03	71-00-00- POWER PLANT	Check condition of blade leading edges of fan rotor wheel	71-81-00, Maintenance, item 3	4	

3000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
3000FH-01	67-00-00 - CONTROL SYSTEM	Inspect and check for corrosion and PC-60F type attachment bolts outer diameter wear	67-31-00, Inspection/Checking item 3	4	

4000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
4000FH-01	76-00-00 – ENGINE CONTROL SYSTEM	Replace engine control cable		4	

8000 FH SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
8000FH-01		Remove the following items from the helicopter: - Main gearbox with main rotor mast - Main engines - Auxiliary engine - Servo system PC-60 F - Rudders - Tail plane and fins - Components parts of the nose and main undercarriages - Fire extinguisher bottles - Hydraulic tanks -External load suspension Cover plate in the cargo compartment			

8000FH-02		Inspect for cracks parts, listed in in table 3, using magnifier of 4 ... 7x zooming,			Replace cracked parts
8000FH-03		Inspect for cracks parts listed in Table 2, by non-destructive control method			Replace if there is a failure.
8000FH-04		Check electric supply and metallization condition:			Replace if there is a failure.
8000FH-07		Check the attachment bracket main landing gear the inner surface of 500.0202.0440.000, 500.0202.3410.000, 500.0202.0170.000, 500.0202.0420.000, 500.0202.0040.000 for ring rust.			
8000FH-08		Install the following items on the helicopter: - main gearbox with main rotor mast - main engines - auxiliary engine - servo system PC-60F - kudders - tail plane and fins - components parts of the nose and main undercarriages fire extinguisher bottles - hydraulic tanks - external load suspension cover plate in the cargo compartment			
8000FH-09		Fill the hydraulic system with hydraulic fluid			
8000FH-10		Fill the helicopter with fuel and oil			
8000FH-11		Perform internal and external de-preservation of engines and gearbox			

8000 FH /10 YEARS SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
8000FH-11		Perform internal and external de-preservation of engines and gearbox			
8000/10-02		Perform occasional 600-hours regulation operations.			

8000/10-03		Clean and wash the helicopter, its components parts, compartments, instrument panels, oil coolers etc.			
8000/10-04		Inspect 500.5930.0411.000 covers in 500.5910.0410.000 knot (it situates between 5 and 6 frames). Replace old and damaged covers.			Replace old and cracked parts
8000/10-05		check condition and attaching of electric braids and sockets in engine nacelle;			
8000/10-06		check condition and attaching of electric braids and sockets in engine nacelle;			
8000/10-07		check condition and attaching of electric braids and sockets in flight and transport compartments			
8000/10-08		check condition and attaching of electric equipment, electric braids and sockets in tail boom and tail unit			
8000/10-09		check condition and attaching of electric braids and sockets in cargo compartment;			Perform operation during repair and removing only.
8000/10-10		Measure resistance between metallize ends and AO P30 units			Perform operation during repair and removing only.
8000/10-11		Measure minus cord resistance between Â«bodyÂ» and cord end;			Perform operation during repair and removing only.
8000/10-12		Measure resistance of feeder isolation and AO 1,1 P3O high voltage cords on their clearing results.			Perform operation during repair and removing only.
8000/10-13		Check ball bearing condition in rods and helicopter control system bell crank. Make sure: - protective washers deformation absence, - bearings turn easily, - big backlash absence.			Note. Perform bearing inspection in rods and bell cranks, optionally removed in every control channel: longitudinal, lateral, directional and common pitch control.
8000/10-14		. Check OTCYTCTB"1e thread precipice and ragging absence along engine control cords and screw brake. Replace faulty cords.			
8000/10-15		Evaluate founded failures.			
8000/10-16		Perform helicopter parts and components, listed in Table 4 of the current subsection and in Table 2 of 05-10-00 subsection in KA32A 11 BC-MSM-000, replacing			
8000/10-17		Install the following items on the helicopter: Main rotor blades Hydraulic pumps НП-92А-5 Fan			

8000/10-18		Inspect the helicopter paying special attention to places in which assembly-disassembly and adjustment works were performed.			
8000/10-19		Perform internal and external de-preservation of engines and gearbox.			
8000/10-20		Perform test run-up of the helicopter engines, gearbox and helicopter systems.			
8000/10-21		Perform preflight preparation.			
8000/10-22		Perform the helicopter test flight.			
8000/10-23		Record performed works and helicopter approval for operation in the helicopter logbook.			

16000 FH SCHEDULE MAINTENANCE CHECK

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
16000FH-01		Perform inspections, checks, and works carried out during 8000- hour inspection check (05-20-21, Table 1) NOTE: Do not perform works as per items 11.7,13 and 22 of Table 1, subsection 05-20-21			
16000FH-02		Demount and remove helicopter control system from the helicopter drawing 323.5000.0000.000			
16000FH-03		Inspect and estimate technical condition of helicopter control system drawing 323.5000.0000.000			
16000FH-04		Inspect and estimate technical condition of brackets fitted on fuselage elements, If necessary, demount some brackets			
16000FH-05		Check condition of bearings in rods and bell cranks of helicopter control system and make sure that protective washers are free from deformation, easy to turn and crank and have no excess play. Inspect bearings in all rods and bell cranks selectively demounted in each control channel: In longitudinal, lateral, directional and collective pitch control channels			
16000FH-06		Replace bearings with excess play, stiff rotation, crackling.			
16000FH-07		Replace parts with traces of wear, deep corrosion, cracks or deformations			

16000FH-08		Mount and install helicopter control system on the helicopter drawing 323.5000.0000.000			
16000FH-09		Perform mandatory replacements of airframe component parts, inspections and measurements in accordance with the lists given below in Tables 2, 3, 4, 5 and 6 of the present subsections			
16000FH-10		Perform the helicopter test flight			

16000 FH / 20 YEAR SCHEDULE MAINTENANCE CHECKS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
16000FH/10-0		A) Operations, represented in current Supplement, perform after 16000: t4oo flight hours or after 20'"1 years helicopter operation, but not later than 10+1 years since 8000-hours checklist. This checklist represented in Table 1. Operations include necessary checking, inspections, measures, checks by non-destructive meanings, as well as helicopter components and lubricating materials, represented in Tables 2,3,4,5,6			
		WARNING! Perform replacing of helicopter hydraulic system hoses according to Table 2 taking into account 05-10-00 subsection requirements of KA32T-MSM-000. WARNING! Performing works, on 20'"1 years helicopter operation reaching and flight hours less than 16000, it is allowed not to perform operations presented in Tables 4 M 6. In this case, operations in Tables 4 M 6 must be performed after 16000: t4oo flight hours reaching.			
		B) Operations, presented in current section, perform under developer control. C) Lists of helicopter components and its systems, must be replaced, presented in Table 2 of current subsection as well as 05-10-00 subsection of KA32T-MSM-000. D) List of parameters to control, presented in Table 3. E) List of helicopter components, must be checked by non-destructive meanings, presented in Table 4. F) List of checking transition metallize resistance knots, represent in Table 5. G) List of knots and parts, must be measured, presented in Table 6.			

50 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L50FH-01		Lubrication - Moving joints of wipers actuating mechanisms		1	
L50FH-02		Lubrication - Rotor mast components: blade driving elements		5	
L50FH-03		Lubrication - Control linkage parts		1-5	
L50FH-04		Lubrication - Rotor mast components: bearings of upper swash plate assembly		5	
L50FH-05		Lubrication - Rotor mast components: bearings of lower swash plate assembly hinge joint		5	
L50FH-06		Lubrication - Rotor mast components: bearings of lower swash plate assembly		5	
L50FH-07		Lubrication - Rotor mast components: bearing of lower swash plate assembly hinge joint		5	
L50FH-08		Lubricate - Rotor mast components: upper hinges of lateral and longitudinal tilt rods of lower swash plate assembly		5	
L50FH-09		Lubricate - Rotor mast components: collective and differential pitch mechanism		5	
L50FH-10		Lubricate - Rotor mast components: bearings of lower rotor pendulum		5	

100 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L100FH-01		Lubrication - Hinge joints of fuselage nose section lifting (lowering) hydraulic system		2	
L100FH-02		Lubrication - Main landing gear universal joints		2	
L100FH-03		Lubrication - Nose landing gear steering bushes and rollers		2	
L100FH-04		Lubrication - Nose landing gear torque links joints		2	
L100FH-05		Lubrication - Rod faces of main and nose landing gear strut rods		2	
L100FH-06		Lubrication - Rotor mast components: blade driving elements links (shackles)		5	
L100FH-07		Lubrication - Rotor mast components: bearings of slider bell cranks;		5	
L100FH-08		Lubrication - Rotor mast components: rod hinge joints of static adjustment		5	
L100FH-09		Lubrication - Rotor mast components: bearings of upper swash plate assembly hinge joint		5	

L100FH-10		Lubrication - Rotor mast components: hinge joints of swash plate assembly coupling rods		5	
L100FH-11		Lubrication - Rotor mast components: bearings of lower swash plate assembly		5	
L100FH-12		Lubrication - Rotor mast components: bearing of upper rotor shaft upper support		5	
L100FH-13		Lubricate - Rotor mast components: bearings of universal joint of lower swash plate assembly		5	
L100FH-14		Lubricate - Rotor mast components: lower hinges of lateral and longitudinal tilt rods of lower swash plate assembly		5	
L100FH-15		Lubricate - Rotor mast components: bearing of differential collective pitch bell crank		5	
L100FH-16		Lubricate - Rotor mast components: hinge of differential collective pitch rod		5	
L100FH-17		Lubricate - Hinge joints of engine control linkage rod bearings		4	
L100FH-18		Lubricate - Hinge joints of throttle-roller assembly and rod for rotor brake		4	
L100FH-19		Refilling - Main engine oil system NOTE: Replace oil at least once a year.		4	
L100FH-20		Refilling - Main gearbox oil system NOTE: Replace oil at least once a year. Gearbox oil shall be sampled in every (60 ±7) days		4	
L100FH-21		Lubricate - Assemblies and parts of external load sling		2	

300 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L300FH-01		Lubrication - End pieces of servo system rods		4	
L300FH-02		Landing gear bolted joints		2	
L300FH-03		Lubrication - Steering bush lever rollers of nose landing gear shock struts and “shimmy" dampers driving arms		2	
L300FH-04		Lubrication - Auxiliary engine mounting attachment fittings		4	
L300FH-05		Lubrication - Rollers and bearings of door upper and lower tracks, moving parts of door retainers, handles and locks		1,2	SEE SEASONA NOTE (LUBRICATION) - L06
L300FH-06		Lubrication - Moving parts of door emergency release mechanisms and emergency exit door cover		2	
L300FH-07		Lubrication - Attachment fittings of horizontal stabilizer, vertical stabilizers, hinge fittings of rudders and attachment fittings of stabilizer struts		3	

L300FH-08		Lubricate - Rotor mast components: shaft splines above upper slider (slider is in lower position)		5	
L300FH-09		Lubricate - Rotor mast components: shaft under upper slider (slider is in upper position)		5	
L300FH-10		Lubricate - Rotor mast components: upper end of upper swash plate assembly sleeve		5	
L300FH-11		Lubricate - Rotor mast components: shaft above lower slider (slider is in lower position)		5	

600 FH LUBRICATION INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
L600FH-01		Lubrication - Bearing assemblies of ГТ40ПЧ8Б generators		3	
L600FH-02		Lubrication - Moving elements of pilot's and co-pilot's seats vertical displacement (lifting and lowering) Lubrication - Operator's seat pedestal bearing		1	
L600FH-03		Lubrication - Operator's seat pedestal bearing		1	
L600FH-04		Lubricate and Lubricant Replacement - Fan shaft bearings		4	
L600FH-05		Lubricate and Lubricant Replacement Fan wheel shaft cavity. NOTE: This operation shall be performed after replacement of gearbox, fan or fan drive shaft		4	
DELETED					

LUBRICATION AND REFILLING (Seasonal and On Conditional)

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
LSEA-01		Lubrication - Bearings of main and nose landing gear wheels		2	SEE SEASONAL NOTE (LUBRICATION) L- 10
LSEA-02		Lubrication - Rubber seal of emergency exit door cover		2	SEE SEASONAL NOTE (LUBRICATION) - L11
LSEA-03		Refilling and Lubricant replacement - Auxiliary engine oil system			SEASONAL SEE NOTE
LON-01		Dry Gas Hydraulic accumulator		4	SEASONAL SEE NOTE
LON-02		Dry Gas and Refilling - Main landing gear shock struts		2	SEASONAL SEE NOTE
LON-03		Dry Gas-Landing gear wheels		2	

NOTE: Seasonal work is to be done with period of (180±20) days if helicopter operations in those regions are not affected by the Conditions described in paragraphs 3.A.1 and 3.A.2 of Section 05-20-30.

750 FH SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI750FH-01		Check condition of hot end when replacing compressor turbine with the nozzle guide vanes stage II and fuel manifold	Supplement to Bulletin No. К78-005-БЭ/БД (Н78М-113 БЭ/БД)	4	Replace flame tubes CA1 and 3 on condition

DELETED

3 MONTHS' SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI3MO-01		Remove main and reserve storage batteries (if the reserve storage battery is available) from the helicopter and send them to charging station for maintenance according to MM and MS	24-31-00, Maintenance, item 1	1	

12 MONTHS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI12MO-01	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check external condition of units БСПИ-2-02, ЗБН-2М, ПУИ-2М	РПИ-2-02 ММ 031.31.00, № 204		
SI12MO-02	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check automatic switching on of record of РПИ-2-02 article	РПИ-2-02 ММ 031.31.00, № 209		
SI12MO-03	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Check ПАМ-6К	РПИ-2-02 ММ 031.31.00, № 206		
SI12MO-04	023-23-00 - EMERGENCY RADIO BEACON АРМ-406П	Inspect radio beacon АРМ-406П and check its functioning and serviceability with the use of КС tester Т-406 (Т-406Н)	АРМ-406П ММ № 3, 7, 9		

SI12MO-06		Check adjustment of brake system and wheels brake torque	32-50-00, Maintenance, item 1	1	
SI12MO-07		depending on what is installed on the helicopter: a) for power supply elements ЭП-09: inspect them visually to verify absence of mechanical damage to the body and electrolyte leakage, b) for НКГ-1.5У1.1 storage battery: remove them from helicopter and ship to charging station to perform periodic test cycle, - measure open circuit voltage, - carry-out charge-discharge cycle using current rating as given in Subsection 33-30-01 «Emergency light, maintenance practices»	a)33-30-01, Maintenance, item 3	2	
SI12MO-11		Main Engine Oil System Replace oil	12.10.00 Maintenance		(300 FH or at least once a year)
SI12MO-12		Main Gear Box Oil System Replace Oil	63.21.00 Maintenance Item 3		(300 FH or at least once a year)
SI12MO-13		Oil the 2Wc20 GOST 3635-78 hinge bearing	25-52-00 Maintenance Item 2, B (5)		External cargo load is underweight or every 12 months without weight

24 MONTHS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI24MO-01	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Blow off, wear and lubricate electrical connectors СНЦ one time every two years	РПИ-2-02 ММ 031.31.00, № 204		
SI24MO-02	31-30-00 - РПИ-2-02 Airborne flight data recorder of parametric information and recording of audio information	Perform calibration of measuring paths, check pass of event command and audio information.	31.30.00 Maintenance, item14, РПИ-2-02 ММ 031.31.00, №210		
SI24MO-03		Remove tires of main and nose wheel, inspect outer and inner surfaces of hubs for corrosion	32-41-00, Maintenance items 3, 4; 32-42-00, Maintenance, items 3, 4	2	

2 YEARS SPECIAL INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI3Y-01	023-23-00 - EMERGENCY RADIO BEACON APM-406П	Accomplish preventive maintenance operations and check serviceability of radio beacon APM-406П.	APM-406П MM № 5		

5 YEARS SPECIAL INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI5Y-01	023-23-00 - EMERGENCY RADIO BEACON APM-406П	Check technical parameters of radio beacon APM- 406П with the use of КС tester Т-406Н.	APM-406П MM № 10 or №2	2	At absence of conditions for measurement remove the radio beacon and send it to manufacture plant.

SPECIAL INSPECTION (ON CONDITION)

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SI-01	023-23-00 - EMERGENCY RADIO BEACON APM-406П	Replace unit of autonomous supply APM-043.	Replacement age of supply unit APM-043 is indicated on its casing. APM-406П MM № s	2	

SEASONAL INSPECTION Inspections Performed in Preparation for Operation in Spring/Summer Period

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SEAI-01		Set fan variable guide vanes to position provided for summertime	71-81-00, item 4	4	
SEAI-02		Provide for air blowing of hydraulic pumps, for this remove covers from louvers of engine nacelle side panels	54-22-00, Description, item E	4	
SEAI-03		Remove from helicopter plenum ventilation caps, warming covers from hydraulic system tanks and pipelines, cover from engine nacelle cowl, covers from fan compartment left and right panels	21-30-00, Maintenance, item 1	4	

SEAI-04		Install flight compartment plenum ventilation air scoops on helicopter	21-30-00, Maintenance, item 1	4	
SEAI-05		Check charging of hydraulic accumulators with nitrogen	29-00-04, Maintenance, item 1	4	
SEAI-06		Check operation of auxiliary hydraulic system from manual hydraulic pump	29-20-00, Maintenance, item 1	2	
SEAI-07		Check charging of main and nose landing gear shock struts with nitrogen	32-11-00, Maintenance, item 1; 32-21-00, Maintenance, item 1	2	
SEAI-08		Check nose landing gear shock strut steering collar lever roller for smooth engagement with damper lever	32-21-01, Maintenance, item 1	2	
SEAI-09		Check servicing (filling) of damper with working fluid	32-21-01, Maintenance, item 2	2	
SEAI-10		Check operation of lifting and lowering system of fuselage tail and nose sections	32-00-00, Checking/ Troubleshooting, item 1	2	
SEAI-11		Replace oil in feathering and flapping hinges of rotor hubs and check for steel chips absence in oil drained from flapping and feathering hinges	62-20-00, Maintenance, item 4	5	
SEAI-12		Drain condensate from traps of engines power equalization system pipelines	71-90-00, Maintenance, item 2	4	
SEAI-13		Check tension of engine control linkage cables	76-11-00, Maintenance, item 3	4	
SEAI-14		Check tension of rotor brake control linkage cables	63-25-00, Maintenance, item 2	4	

SEASONAL INSPECTION Inspections Performed in Preparation for Operation in Autumn/Winter Period

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
SEAI-15		Set fan variable guide vanes in position provided for wintertime	71-81-00, item 4	4	
SEAI-16		Cancel air blowing of hydraulic pumps, for this install covers on louvers of engine nacelle side panels	54-22-00, Description, item E	4	

SEAI-17		Remove flight compartment plenum ventilation air scoops from helicopter	21-30-00, Maintenance, item 1	4	
SEAI-18		Install on helicopter plenum ventilation caps, warming covers on hydraulic system tanks and pipelines, cover on engine nacelle cowl, covers on fan compartment left and right panels	21-30-00, Maintenance, item 1	4	
SEAI-19		Check charging of hydraulic accumulators with nitrogen	29-00-04, Maintenance, item 1	4	
SEAI-20		Check operation of auxiliary hydraulic system from manual hydraulic pump	29-20-00, Maintenance, item 1	2	
SEAI-21		Check charging of main and nose landing gear shock struts with nitrogen	32-11-00, Maintenance, item 1; 32-21-00, Maintenance, item 1	2	
SEAI-22		Check nose landing gear shock strut steering collar lever roller for smooth engagement with damper lever	32-21-01, Maintenance, item 1	2	
SEAI-23		Check operation of lifting and lowering system of fuselage tail and nose sections	32-00-00, Checking/ Troubleshooting, item 1	2	
SEAI-24		Replace oil in feathering and flapping hinges of rotor hubs	62-20-00, Maintenance, item 4	5	
SEAI-25		Drain condensate from traps of engines power equalization system pipelines	71-90-00, Maintenance, item 2	4	
SEAI-26		Check tension of engine control linkage cables	76-11-00 Maintenance, item 3	4	
SEAI-27		14 Check tension of rotor brake control linkage cables	63-25-00, Maintenance, item 2	4	

Conditional inspections		
No	**Event**	**Reference (DMC)**
1	Heavy landing	Maintenance Service Manual
2	Main rotor sudden stop	Maintenance Service Manual
3	Overspeed	Maintenance Service Manual
4	Engine overspeed, overtorque and overtemperature	Maintenance Service Manual
5	Lightning strike	Maintenance Service Manual
6	Wire strike	Maintenance Service Manual
7	Sand/dust storms	Maintenance Service Manual
8	Foreign Object Damage (FOD) strike or missing fastener	Maintenance Service Manual
9	Birdstrike	Maintenance Service Manual

3.2.5 KA32A11BC Engine Scheduled/ Unscheduled Inspection Intervals.

This section contains the minimum Motorsich/Ukraine & Kilimov/Russia approved engine maintenance inspection checks (based on flight hours or calendar times whichever comes first) and are intended to coincide with airframe inspection intervals (not to exceed the listed frequencies). Detailed procedures are provided, where applicable, in the relevant INSPECTION/CHECK sections of subject chapters in EMM manual.
Unless otherwise specified, “Scheduled Periodic Inspections” based on calendar times do not apply during long-term storage (29 days or more) of engines or accessories preserved (on or off helicopter) as per engine maintenance manual instructions.
Hours or Engine Hours means Engine Flight Hours. Engine Flight Hour is defined as the engine operating time between helicopter take-off (weight-on-wheels/skid “OFF”) and landing (weight-on-skid “ON”).

Engine Scheduled/ Unscheduled Inspection Intervals.

1) 25 hours inspection
2) 50 hours inspection
3) 100 hours inspection
4) 300 hours inspection
5) 750 hours inspection
6) 12 months inspection
7) APU Each 500 Switching’s (Starts)
8) APU at Each 200 Main Engine Hours

Conditional Unscheduled inspections, for task list see the table.

Recommended Compressor and Turbine Desalination and Wash Intervals

25 FH ENGINE SCHEDULE INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E25FH-01		Measurement of the wear of the compressor rotor stage one blades - if the wear is from 1.5 to 2mm.	Book 1 07230.00 T.C.No. 202		NOTE: If the wear is 1.8 mm or more-not less than in 20 takeoffs/landings.
E25FH-02		Inspection and cleaning of starting regulator and acceleration regulator air orifices with adapters	Book 2 073.12.05 T.C. No. 603		NOTE: If the wear is 1.8 mm or more-not less than in 20 takeoffs/landings
E25FH-03		Inspection and flushing of the air starter filter	Book 2 080.12.00 T.C. No. 203		NOTE: If the wear is 1.8 mm or more-not less than in 20 takeoffs/landings

50 FH ENGINE SCHEDULE INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E50FH-01*.		Measurement of the wear of the compressor rotor stage one blades - if the wear is from to 1 to 1.5 mm.	Book 1 072.30.00 T.C. No. 202		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings.
E50FH-02		Analysis of engine operational parameters with reference to flight data recorder	Book 3 072.00.00 T.C. No. 610		

E50FH-03*.		Inspection and cleaning of starting regulator and acceleration regulator air orifices with adapters	Book. 2 073.12.05 T.C. No. 603		
E50FH-04*.		Inspection and flushing of the air starter filter	Book 2 080.12.00 T.C. No- 203		
E50FH-05		Inspection and flushing of_ the fuel control unit air filter	Book 2 073.12.05 T.C. No. 602		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings.
E50FH-06		Cleaning of the engine flow duct NOTE: Operation should be performed under conditions specified in T.C. No. 705.	Book 1 072.00.00 T.C. No. 705		

100 FH ENGINE SCHEDULE INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E100FH-01		Measurement of the wear of the compressor rotor stage one blades - if the wear is up to 1 mm	Book 1 07230.00 T.C. No. 202		NOTE: If the wear is 1.8 mm or more-not less than in 20 take-offs/landings
E100FH-02		inspection and flushing of oil filter	Book 1 072.90.02 T.C. No. 202		
E100FH-03		inspection and flushing of protective filter line scavenging oil from 4th and 5th support assemblies	Book 1 072.90.00 T.C. No. 204		
E100FH-04		Chip detector inspection, flushing and operation check	Book 1 072.90.13 T.C. No. 201		
E100FH-05		Replacement (inspection and flushing) of fuel filter element NOTE. This operation is also performed after first 25 flight hours (+2, -2hours) and after a replacement of the helicopter fuel tank (tanks).	Book 2 073.11.04 T.C. No. 205		
E100FH-06		Check of the fuel filter pressure drop adjustment	Book 2 073.11.04 T.C. No. 206		
E100FH-07		Inspection and flushing of the control unit fuel filters	Book 2 073.12,05 T.C. No. 604		
E100FH-08		Inspection and flushing of the - ИМ 3А actuator filter	Book 2 073.16.10 T.C. No. 205		

E100FH-09*.		Inspection and flushing of the fuel control unit air filter	Book 2 073.12.05 T.C. No. 602		
E100FH-10		Bleeding air from the fuel system	Book 2 073.12.05 T.C. No. 303		
E100FH-11		Check of the engine/main gear box alignment	Book 1 072.00.00 T.C. No. 606		
E100FH-12		Check of the exhaust extension pipe clamp tightening. NOTE. Check is carried out after removal and situation of clamp, after the first flight and after the first 5+,-1 flight hours of the Helicopter	1. Helicopter MM 2. Book 1 072.58.00 T.C. No. 204		
E100FH-13		Inspection and check of the electronic engine governor	Book 3 073.15.04 T.C. No. 204		
E100FH-14		Thermocouple circuit impedance checks at terminals PT-12-6	Book 1 072.00.00 T.C. No. 402 item 8.5		
E100FH-15		Short circuit check between the thermocouple channel and the engine casing	Book 1 072.00.00 T.C. No. 607		
E100FH-16		Engine test after scheduled maintenance	Book 1 072.00.00 T.C. No. 507		
E100FH-17		Check of sealing - oil filter	Book 1 072.00.00 T.C. No. 507, 603		
E100FH-18		Check of sealing - fuel filter	Book 1 072.00.00 T.C. No. 507, 603		
E100FH-19		Check of sealing - fuel control unit fuel filters	Book 1 072.00.00 T.C. No. 507, 603		
E100FH-21		Inspection of the engine flow section	Book 1 072.00.00 T.C. No. 608		
E100FH-22		Inspection of the engine flow duct	Book 1 072.00.00 T.C. No. 608		A frequency of work performance when operating at low altitudes with the presenc of heavy dust and sand
E100FH-23*.		Ejector orifice cleaning with blowing through air duct	Book 2 073.02.00 T.C. No:202		A frequency of work performance when operating at low altitudes with the presenc of heavy dust and sand

E100FH-24		Engine technical condition evaluation NOTE. Measurement of wear of the MH0-78 oil pump block shaft and rotational speed transducer extension, as well as check of the vertical flexible shaft shall be performed beginning from 700 operating hours	Book 072.00.00 T.C. No:609		100 (beginning from 300 operating hours)

300 FH ENGINE SCHEDULE INSPECTIONS

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E300FH-01		Ejector orifice cleaning with the flowing through air duct	Book 2 073.02.00 T.C. No. 202		
E300FH-02		Replacement of oil in the engine oil system and the air starter	1.Helicopter MM 2. Book 2 080.12.00 T.C. No. 205		
E300FH-03		Check adjustment of PT-12-6 temperature regulator using ПКРТ- 27 panel	Helicopter MM		
E300FH-04		Compressor guide vane installation angle check	Book 1 072.00.00 T.C. No. 512		
E300FH-05		Check of sealing - plug of oil filling and drain in air starter	Book 1 072.00.00 T.C. No. 507, 603		
E300FH-06*.		Inspection of the engine flow duct	Book 1 072.00.00 T.C. No. 608		
E300FH-07		Inspection of the technical conditioning of the external horizontal shaft (EHS)	Book 1 072.60.00 T.C. No. 202		300 FH (beginning from 600 operating hours]
E300FH-08*.		Engine technical condition evaluation	Book 3 072.00.00 T.C. No. 609		Annex No. 5 of bulletin -No. К78-029 БЭ/БД (Н78М-130 БЭ/БД)
E300FH-09		Check of actuation of the power synchronizer emergency cut-out control valve of the FCU	Book 1 072.00.00 T.C. No. 522		SB No. К78-073 БЭ/БД

NOTE: 1) Frequency of the work performance operating at low altitudes with presence of heavy dust and sand is given in ( )*.

750 FH ENGINE SCHEDULE INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E750FH-01		Check of engine "hot section" condition with replacement of the compressor turbine with the NGV2 and the fuel manifold and check of the hot section condition. NOTE: The compressor turbine with th subject to the mandatory replac operating time. Flame Tube, NGV1 and 3 are re technical condition.	Light overhaul procedure 078.00.4300BC-T46 or Light overhaul manual 0780000000-80 PC		Annex No. 4 of bulletin -No. K78-029 БЭ/БД (H78M-130 БЭ/БД)

NOTE:
2) The work as per items 28, 29 shall be performed when the engines are operated as part of helicopters engaged in carrying cargo on the external sling with the frequency of more than 4 times per 1 hour.

1 YEAR ENGINE SCHEDULE INSPECTION

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
E1Y		Change of oil in the engine and air starter	Helicopter MM 2. Book 2080.12.00 T.C. No. 205		

APU Each 500 Switching's (Starts)

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
APU500S		Inspect, after 500 switching (starts of APU) the commutator-and- brush assembly of the electric starter.	(A-1-9) A и-9 MM 6.2.4 Item 1		

APU at Each 200 Main Engine Hours

TASK NUMBER	SYSTEM	TASK DESCRIPTION	REFERENCE	AREA	NOTE
APU200H		When the main engine reaches 200 hours and multiples of 200 hours inspect the contact of the ignition coil.	(A-1-9) A и-9 MM 6.2.4 Item 2		

3.2.6 COMPONENTS MAINTENANCE AND OVERHAUL PROGRAM

Overhaul Program periods at which components will be checked, cleaned, lubricated, replenished, adjusted, tested, overhauled and/or replaced by new or overhauled components.
Component removal from and installation on a helicopter is considered to be Helicopter Maintenance and not Component Maintenance. Therefore, a procedure will be established on how component overhaul / life limits are managed when components are transferred between helicopters. Whereas the helicopter / component OEM provides guidance (e.g., MPD, ALS), such guidance will be included into this section of the AMP. Otherwise, the following guidelines are provided:
1. The form requirements for the components will be implemented according to SHT-CAM Part-M M.A.501 and M.A.502 and relevant AMC and GM guidelines.
2. If the task on the transferred component is performed as part of the installation process, then the next performance of the task will count from the installation date.
3. The threshold for Calendar Time tasks will be counted from either the date at which the helicopter to which it was originally fitted had its first Transfer of Title or, for a new component installed after delivery, the date at which the component accomplishes its first flight.
4. The threshold for Flight Hours, Flight Cycles or Landings tasks is counted from component/structure first flight.
5. Specific guidance for ALS will be assessed and implemented.
Unless specified differently, no tolerance is permitted on component overhaul schedule the permitted tolerances for maintenance interval frequencies will be applied as recommended by the TR DGCA, as specified in section 5.1.1.

3.2.7 Component overhaul schedule

The following table gives the overhaul interval for the components.
The overhaul intervals, specified for the any given part numbers written in components table, apply also to all successive dash numbers for that item, unless differently specified.
Unless it is specified differently, the overhaul interval is in flight hours. If there are two or more intervals, do the limit comes first.

Component	Designation or drawing No.	Overhaul time (hours / calendar)	Note number
MAIN GEARBOX	076.50.0000	1.000 hours / 8 years	1
CURRENT COLLECTOR	TSVZ6M033 (TCB36M033)	1,000 hours / 20 years 1,000 hours / 10 years	4
HELICOPTER CONTROL	323.5000.0000.000		
Longitudinal control assembly	500.5030.0230.000	8.000 hours	
Lateral control assembly	500.5030.0290.000	8.000 hours	
Servo system	PC-60F (RS-60F)	4.500 hours / 10 years	
LANDING GEAR			
Struts	500.4103.0000.001 (002)	8.000 landings	
Struts	500.4103.0000.003 (004)	8.000 landings	
Fork	500.4103.5060.001 (002)	8.000 landings	
Nose landing gear shock strut (right)	330.4201-0	8.000 landings / 20 years	
Nose landing gear shock strut (left)	330.4201-0-01	8.000 landings / 20 years	
Main landing gear shock absorber (right)	330.4101-0	8.000 landings / 20 years	
Main landing gear shock absorber (left)	330.4101-0-01	8.000 landings / 20 years	
AUXILIARY POWER UNIT	АИ-9 (AI-9)	6.000 start / 6000 bleeds	2
AC GENERATOR	ГТ40ПЧ8Б (GT40PCH8B)	4.000 hours / 20 years	
SMALL-SIZE VERTICAL GYRO	МГВ-1СУ8 (MGV-1SU8)	4.000 hours / 20 years	
HYDRUALIC PUMP	НП92А-5 (NP92A-5)	1.500 hours / 15 years	3
NOTES: 1) Service life and first overhaul period (T p 1 / T c,): 1,000 h / 13 years. Operating procedure under specified conditions according to bulletin No.: К76-04 БЭ/БУ-Г. Service life extensions are permitted: first overhaul (T c1) and inter-overhaul period (T c m) - up to 15 years, according to bulletin No.: К76-08 БЭ-Г.			

2.) According to data card of Certificate type No. СТ 102-ВД (ST (ST 102-VD).
3.) Time to 1st overhaul (TP1 / TC1): 3,000 h / 15 years.
4.) Provided that the bearing is checked and the lubricant is replaced by the developer (at a service center authorized by the developer or "УМПО") every 1000 hours, but at least every 8 years.
Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

3.2.8 TB3-117BMA Engine Time Between Overhaul Recommendations

Airworthiness Limitations include the service life and calendar time values of the engine in general and its components and accessories:

- to first overhaul (SLFO and CTFO)
- between overhauls (SLBO and CTBO)
- limit (SLL and CTL)

The engine maintenance Schedule (MS) indicates the maintenance periods for the engine in general and its components and accessories in order to ensure airworthiness during operation and storage within the service lives and calendar times.

The MS lists schedule and unscheduled maintenance operations.

The Schedule Maintenance (SM) includes line maintenance, scheduled operations, calendar maintenance, storage scheduled maintenance.

Unscheduled Maintenance (UM) includes maintenance operations to be performed in case of emergency during the operation and in case of abnormal engine operation or any signs of such operation.

The Maintenance Schedule (SM) was incorporated in the airframe inspection checklists.

The Engine SL includes the time of the whole (100%) engine in-flight operation and 20% of its ground operation. In any case the total time of the engine operation and the time of its operation at take-off rating is counted.

For example:

Flight operation time- 2 h 05 min

Ground operation time before and after the flight- 30 Min. Total operation time:

2 h 05 min +20 % OT 30 min = 2 h 11 min.

The time of the engine operation at different ratings for the SL period and the number of times when the ratings were accomplished shall not exceed the values indicated in Table 3 (Book 3 Section 072.00.00).

When calculating the engine operation in hours the engine rating definitions indicated in 4.2 (Book 3 Section 072.00.00) shall be taken into account.

Time of operation at 2.5 min power with OEI is counted by caution lights: СР (ЧР) (2.5 min power with OEI).

When calculating engine life in operation cycles, one cycle of engine operation should be understood as one flight from the moment of engine starts to helicopter landing with shutdown of the engine, irrespective of engine power conditions during the flight and during of a flight.

It is necessary to multiply the operating time in cycles by factor 1.2 for engines installed on the helicopters operated with external sling at conditions of multiply repeated lifts of heavy loads.

Note - By multiplying repeated lifts of heavy loads we mean a lift of any load with the external sling of the helicopter at a rate of more than 4 times per hour At the end of day's flying total operating time (in cycles) should be calculated based on the number of flights.

Life of the engine is considered expired in case of expiry of life in hours or cycles (whichever comes first).

Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).

Notes:

The engine on-ground tests are included in the count of cycles.

The values of service lives and calendar times of the engine are presented in the table below.

The engine accessories are operated within the service lives and calendar times established for the engine in general.

SLL (in hours or cycles) is a total operation expressed in hours or cycles or a total calendar time of operation recorded after which the product operation shall be stopped independently of its condition.

The SLFO (in hours/cycles), CTFO (in years) is a total operation expressed in hours or cycles or total calendar time of the product operation and/or storage allowed before the first overhaul.

The SLBO (in hours/cycles), CTBO (in years) is total operation expressed in hours or cycles or total calendar time of the product operation and/or storage allowed between the successive overhauls.

NOTES:

1. SLFO and SLBO are composite parts of SLL,
2. CT is calculated from the moment the engine Logbook issue or overhaul.

Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

Overhaul Service and Calendar Time

Nos.	Name	Drawing code or No.	To First Overhaul			Between Overhauls			Total (SLL)	
			SLFO		CTFO	SLBO		CTBO		
			Hours	Cycles	Years	Hours	Cycles	Years	Hours	Cycles
1	Engine in general (except main parts per items 2…4)	TB3-117BMA	2000 (3000) *	2000 (3000) *	10	1500	1500	10	7500	7500
		TB3-117BMA series 2	2000 (3000) *	2000 (3000) *	10	1500	1500	10	7500	7500

NOTE:

3*. The specific values of the service life of the engine (to 1st overhaul, life between overhauls and assigned service life) Mare given in the engine logbook in compliance with the Contract.

3.3 KA32A11BC Structural Maintenance Program

This maintenance program does not include a helicopter-specific "Structural Maintenance Program". However, when necessary, for repairs to the helicopter fuselage, the "CSRP", “ASRP" documents issued by the manufacturer, and STC or ESTC approved by the type of authority or competent authority for this helicopter will be used as specified below.

The Common Structural Repair Publication (CSRP) is a publication common to all Kamov Helicopters (LH) products that provides information for the repair of structural components installed on LH products.

Further repair instructions and limitations are found in model-specific Helicopter Structural Repair Publication (ASRP).

Information not available on CSRP or ASRP will be requested to Kamov dizain bureau or JSC, NASC Helicopter companies.

Kaan Havacılık San. ve Tic A.Ş. shall follow the procedures and policies defined by the Civil Aviation Authorities having jurisdiction on the helicopter and over the area of operations for the usage of instructions outlined in CSRP.

If a STC or ESTC installation is incorporated in the helicopter, the area of the structure affected by the installation shall be maintained in accordance with the maintenance program or Instructions for Continuing Airworthiness (ICA) supplied by the STC and ESTC holder, or to contact the owner of the STC or ESTC certification data for repair assistance.

3.4 Corrosion Protection and Control

The corrosion protection and control inspection program has been developed with the purpose an integration to the Maintenance Schedule provided within the MSM/AMPI in order to enhance the corrosion protection and control of the helicopter.
Each task will be performed at the scheduled maintenance frequency applicable to the installation/component as per AMPI/MSM Chapter 4 / 5, or at the calendar interval specified in these sections.
Kaan Havacılık San. ve Tic AŞ., based on his own operational experience, may adapt the suggested schedule as needed to optimize the effectiveness of the Corrosion Protection.
The Corrosion Protection Program will be effective only after the installation/components will be inspected and protected according to the instructions provided in this manual.
NOTE 1: Helicopters exposed to salt spray water, firefighting chemicals, insecticides, herbicides, industrial chemicals, or other direct contact with chemical agents will be washed as soon as possible after exposure.

3.5 KA32A11BC Airworthiness Limitations

This chapter gives the airworthiness limitations applicable to the KA32A11BC helicopter.
The airworthiness limitations are approved by the helicopter type certification authority or competent authority and cannot be changed without their approval.
The airworthiness limitations include the data modules that follow:
The Helicopter retirement life and the engine airworthiness limitations Refer to the Engine Maintenance Manual for the airworthiness limitations applicable to the Motorsich / Ukraine and Kilimov /Russia engine. The Airworthiness Limitations section specifies mandatory Rotor Component Accumulated Cyclic Limits and Mandatory Scheduled Inspection/Maintenance Intervals required for type certification.
The Airworthiness Limitations Section is approved by both helicopter and engine type certification authority or their competent authority and specifies maintenance required by any applicable airworthiness or operational rule, unless an alternative program has been approved by engine type certification authority or competent authority.

3.5.1 KA32A11BC Retirement Lives Schedule

The parts listed in this section must be mandatorily retired from service when the indicated retirement life is reached. When retiring from service (if the life limit is reached or for other reasons) the parts contained in the airworthiness limitation schedules, all the non-serialized standard parts which connect the identified assembly / component shall be also replaced.
All retirement lives are expressed in Flight Hours (FH), if not differently specified. Flight hours are defined as those hours accumulated from take-off to landing.
The retirement lives of some parts are expressed in" landings" because their life is dependent upon the rotor start-stop cycles and the helicopter ground-air-ground cycles.
If not differently specified, the retirement lives are based on the following assumptions:

Component	Designation or drawing No.	Airworthiness life (hours, cycles)	Note number	Applicability
FUSELAGE	501.0100.0000.000	32.000 Hours 480.000 c. ESL	1	
MAIN ROTOR BLADES				
Upper rotor blades 500yr (500UG)	500.2906.6000.000	3.000 hours	2	
Lower rotor blades 500yr (500UG)	500.2906.7000.000	3.000 hours		
MAIN ROTOR MAST	Д2Б2000-0/Б		3	
Bearing of collective and differential pitch mechanism	38209	1.500 hours		
Lower sliding bearing	26-1000832БТ1	3.000 hours		
Shaft support bearing	26-1000932Л	3.000 hours		
Upper rotor hub	Д2Б2200-0/В			
Vertical stop	Д2Б2210-31/Г	3.000 hours, 22.500 c.ESL	4	
Lead-lag pin	Д2Б2120-31/Г	20.000 hours		
Lower rotor hub	Д2Б2100-0/В			
Vertical stop	Д2Б2110-31/Г	3.000 hours, 22.500 c.ESL	4	
Lead-lag pin	Д2Б2120-31/Г	20.000 hours		
Upper sliding bar bell crank	Д2Б -31/Б	6.000 hours		
Lower sliding bar bell crank	Д2Б2010-31/Б	6.000 hours		
MAIN GEARBOX	076.50.0000		5	
Upper rotor shaft	076.11.5103	2.000 hours		
INSTALLATION OF MAIN GEAR BOX	500.6460.0000.000			
Brace strut	500.6460.0080.001	37.650 hours		
Brace strut	500.6460.0080.002	37.650 hours		
Brace strut	500.6460.5080.001	37.650 hours		
Brace strut	500.6460.5080.002	37.650 hours		
LANDING GEAR				
Right main undercarriage fork	500.4103.0060.001	8.000 landings		
Left main undercarriage fork	500.4103.0060.002	8.000 landings		
HELICOPTER CONTROL SYSTEM				
Helicopter control rod 50W (5OSH)	500.5030.0160.000	8.000 hours		

1.) When the helicopter operates with a load on external suspension, operating time of component (T) is calculated by a below formula: T = k * TEsi-, where TEsi- - helicopter operation time with a load on external suspension; k - factor, taking into account additional loading of structure with operating with a load on external suspension. This factor depends on average number of loads lifting and release cycles per one flight hour:

Average number of loads lifting and release cycles per one flight hour:	**k**		
Less than 5	1.03		
From 5 to 15 inclusive	1.15		
More than 15	1.30		

Example: Helicopter operating time with external load suspension amounted to TEsl = 3 hours, in this case N = 20 load lifting and releasing cycles.

Average number of load lifting and releasing cycles per one flight hour for the given period amounts to N / TEsl = 20 / 3 = 6.67 cycles. A corresponding value of factor k = 1.15. Operating time of a component for the given period amounts to T = k * TEsl = 1.15 * 3 = 3.45 h.

2.) Only blades with serial numbers from 3446 to 3624 inclusive, from 3658 to 3742, from 3786 and subs are allowed to be operated.

3.) Admitted to operation are only those units of the rotor mast whose Certificates have the entry: "Double locking is provided".

4.) Load lifting and releasing cycles from external load suspension (c.ESL) are accounted for during helicopter operation with Repetitive Heavy Lift (operations with lifting of external cargo including logging).

5.) After the gearbox is 1000 hours, it is subject to overhaul.

Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).

Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

Component	Designation or drawing No.	Time limit (hours / calendar)	Note number
HELICOPTER		32.000 hours / 45 years	1
Onboard electricity network cords and communication equipment		-/35 Years	
MAIN ROTOR BLADES			
Upper main rotor blades 500yr (500UG)	500.2906.6000.000 500.2906.6000.000.01	20 years 8 years	9
Upper main rotor blades 500yrM (500UGM)	500.2906.8000.000 500.2906. 7000.000.01	20 years 8 years	9
Lower main rotor blades 50oyr (500UG)	500.2906.7000.000	20 years	
MAIN GEARBOX	076.50.0000	3000 hours	
Gearbox installation	500.6460.0000.000	16,000 hours	
Upper screw shaft	076.11.5103	3000 hours	7
UPPER MAIN ROTOR HUB	Д2Б2200-0/В	6000 hours	2
Drag hinge bearing	Д2Б2200-80/Г	1200 hours / 12 years	3
Drag hinge bearing	Д2Б2200-80/Е	1200 hours / 12 years	3
Feathering hinge thrust bearings	Д2Б2120-90	1200 hours	
Radial bearing sleeve of flapping hinge	Д2Б2111-02	1200 hours	
Radial bearing bushing of flapping hinge	Д2Б2110-16	1200 hours	
Radial bearing rollers of flapping hinge	4x39.8	1200 hours	
LOWER MAIN ROTOR HUB	Д2Б2100-0/В	6000 hours	2
Drag hinge bearing	Д2Б2100-80/Т	1200 hours / 12 years	
Feathering hinge thrust bearings	Д2Б2120-90	1200 hours	
Radial bearing sleeve of flapping hinge	Д2Б2111-02	1200 hours	
Radial bearing bushing of flapping hinge	Д2Б2110-16	1200 hours	
Radial bearing rollers of flapping hinge	4x39.8	1200 hours	
UPPER SLIDER	Д2Б2010-0	6000 hours	2
LOWER SLIDER	Д2Б2020-0/А	6000 hours	2
Bushes	Д22020-32; -33; -33-01	1200 hours	
UPPER SWASH PLATE	Д2Б2400-0/В, Д2Б2400-0/Г	6000 hours	
Bearing	7568148Л	3000 hours	
LOWER SWASH PLATE	Д2Б2500-0, Д2Б2500-0/А, Д2Б2500-0/Б	6000 hours	2
Bearing	9568968Л	3000 hours	
COLLECTIVE AND DIFFERENTIAL PITCH MECHANISM	Д2Б2600-0/Б	6000 hours	2
Bearing	38209	1200 hours	
Bearing	6-1000908	3000 hours	
Bearing	5-1000909	3000 hours	
SLIP RING ASSEMBLY	ТСВ36М033 (Т5У36М033)	6000 hours /30 years	
Bearing	1000834Л	3000 hours	
Bearing	1000844Д	3,000 hours	
LONGITUDINAL CONTROL ASSEMBLY	500.5030.0230.000		
Rod 7nP (7 PR)	500.5030.0150.003	16,000 hours	

LATERAL CONTROL ASSEMBLY	500.5030.0290.000		
Rod 7nO (7PO)	500.5030.0150.005	16,000 hours	
Rod 7ny (7 PU)	500.5030.0150.007	16,000 hours	
AUXILIARY POWER UNIT	АИ-9 (A1-9)	18000 starts 18.000 bleeds	4
SERVO SYSTEM	РС-60Р (P5-60P)	9,000 hours / 25 years	
FAN	500.6320.0000.000		
Rotor wheel	500.6320.0040.000	4,000 hours	
Bearings	5-209-БУТ1 ЕТУ 100/3	4,000 hours	
HYDRUALIC PUMP	НП92А-5 (ЫР-92А-5)	8,000 hours / 30 years	
HYDRAULIC SYSTEM HOSE PIPES			
Hydraulic hose	500.5320.0000.000-12.002	2,000 hours / 10 years	
Hydraulic hose	500.5320.0000.000-22.002	2,000 hours / 10 years	
Hydraulic hose	324.5330.1000.000-12.005	4,000 hours / 10 years	
Hydraulic hose	324.5330.1000.000-22.005	4,000 hours / 10 years	
Hydraulic hoses	A11, excep1 500.5320.0000.000-12.002, -22.002, 324.5330.1000.000-12.005, -22.005	14 years	
LANDING GEAR			
Struts	500.4103.0000.001 (002)	16,000 landings	
Struts	500.4103.0000.003 (004)	16,000 landings	
Fork	500.4103.5060.001 (002)	16,000 landings	
Hose landing gear shock strut (right)	330.4201-0	16,000 landings	
Hose landing gear shock strut (left)	330.4201-0-01	16,000 landings	
Main landing gear shock strut (right)	330.4101-0	16,000 landings	
Main landing gear shock strut (left)	330.4101-0-01	16,000 landings	
EXTERNAL LOAD SLING	32.396.000.180.000		
Lug	500.9600.3180.000	2,000 hours/30000 load cycles	5
Upper walking beam	323.9600.3320.000	2,000 hours/30000 load cycles	5
Walking Beam	323.9600.3302.000	2,000 hours/30000 load cycles	5
Axis	500.9600.0013.000	2,000 hours/30000 load cycles	5
Rod	323.9600.9590.000	5.000 hours/80000 load cycles	5
Rod	323.9600.3310.000	5.000 hours/80000 load cycles	5
Rod	324.04.9600.9590.000	5.000 hours/80000 load cycles	5
Stanchion eye cap	500.9600.5061.000	5.000 hours/80000 load cycles	5
Adapter	323.9600.9680.000	5.000 hours/80000 load cycles	5
Bolt	500.9600.3304.003	5.000 hours/80000 load cycles	5
Lock	ДГ-65 (DG-65)	From the passport	

Detectors	ДПТ (DPT) Type	From the passport	
Traction dynamometer	ИТ-6000 (IT-6000)	From the passport	
ENGINE CONTROL SYSTEM			
LH engine control cable	500.5930.0750.011	4,000 hours	
RH engine control cable	500.5930.0750.012	4,000 hours	
FIRE EXTINGUISHER	1-3-3 ОСТ 100591-77 (1-3-3 ОЗТ 100591-77) 1-3-3МК Хладон 114В2 АПС 6600-6300ТУ	30,000 hours / 25 years or 30 actuations	6
FIRE EXTINGUISHER	2-20-1 ОСТ 100591-77 (2-20-1 ОЗТ 100591-77)	30,000 hours / 25 years or 30 actuations	6

NOTES:
1.) Provided that the technical condition inspections are. Inspections are carried out beginning from the operation time 16,000 +200 h or service time 12 years from the date of manufacturing and further each 2,000 +250 h or each 2 years (whichever comes first).
2.) Provided that the designer performs overhaul or scheduled works (any other service center authorized by the designer or "УМПО") in each 1,000+200 hours but not less than each 8 years. It Is planned to prolong the overhaul period up to 12 years by the decision or the developer. Prolongation to be carried out in stages of 1 year with an Inspection of the technical condition.
3.) When the helicopter is engaged in logging operations, operation time of a component is calculated as follows: each hour of such an operation is made equivalent to two hours of operation under normal conditions.
4.) According to data card of Certificate type No СТ 102-вд (ST102-VD)
5.) Operation underload is indicated.
6.) When the helicopter is operated in tropical conditions, operation time of a component is calculated as follows: each year of such an operation is made equivalent to three years of operation under normal conditions
7.) Upon reaching the gearbox operating time (2000-200) hours, the operator sends to the developer information on the number of loading cycles during logging and fire fighting for the entire period of operation for subsequent calculation of the remaining life of the upper screw shaft and the release of a temporary change or notification to the operator about the possibility of operation within the established resource.
8.) Starting from manufacturing N2 9620, for the onboard electricity network cord of helicopters were manufactured after 01.01.2011 r. Fixed operability term for these cords is 15 years. Cord and onboard electricity network equipment replacement is performed by manufacturer sub department according to manufacturer documentation on agreed basis
9.) For the blades of the upper main rotor, it is valid from 8704УГ(8704UG). For the blades of the lower main rotor, it is valid from 9029УГ(9029UG).
Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.
3.) Time limits amendment A. Established overhaul time and time limit are changed in accordance with ФАП-21 (FAP-21).

3.6KA32A11BC Engines Retirement Lives Schedule

Airworthiness Limitations include the service life and calendar time values of the engine in general and its components and accessories:

- to first overhaul (SLFO and CTFO)
- between overhauls (SLBO and CTBO)
- limit (SLL and CTL)

The engine maintenance Schedule (MS) indicates the maintenance periods for the engine in general and its components and accessories in order to ensure airworthiness during operation and storage within the service lives and calendar times.

The MS lists schedule and unscheduled maintenance operations.

The Schedule Maintenance (SM) includes line maintenance, scheduled operations, calendar maintenance, storage scheduled maintenance.

Unscheduled Maintenance (UM) includes maintenance operations to be performed in case of emergency during the operation and in case of abnormal engine operation or any signs of such operation.

The Maintenance Schedule (SM) was incorporated in the airframe inspection checklists.

The Engine SL includes the time of the whole (100%) engine in-flight operation and 20% of its ground operation. In any case the total time of the engine operation and the time of its operation at take-off rating is counted.

For example:

Flight operation time- 2 h 05 min

Ground operation time before and after the flight- 30 Min. Total operation time:

2 h 05 min +20 % OT 30 min = 2 h 11 min.

The time of the engine operation at different ratings for the SL period and the number of times when the ratings were accomplished shall not exceed the values indicated in Table 3 (Book 3 Section 072.00.00).

When calculating the engine operation in hours the engine rating definitions indicated in 4.2 (Book 3 Section 072.00.00) shall be taken into account.

Time of operation at 2.5 min power with OEI is counted by caution lights: CP (ЧР) (2.5 min power with OEI).

When calculating engine life in operation cycles, one cycle of engine operation should be understood as one flight from the moment of engine starts to helicopter landing with shutdown of the engine, irrespective of engine power conditions during the flight and during of a flight.

It is necessary to multiply the operating time in cycles by factor 1.2 for engines installed on the helicopters operated with external sling at conditions of multiply repeated lifts of heavy loads.

Note - By multiplying repeated lifts of heavy loads we mean a lift of any load with the external sling of the helicopter at a rate of more than 4 times per hour At the end of day's flying total operating time (in cycles) should be calculated based on the number of flights.

Life of the engine is considered expired in case of expiry of life in hours or cycles (whichever comes first).

Fixed equipment, ready component articles and certificated units except for those specified in item, Tables 4,5 and 4,6 are operated on condition (up to a failure or pre-failure condition).

Notes:
The engine on-ground tests are included in the count of cycles.
The values of service lives and calendar times of the engine are presented in the table below.
The engine accessories are operated within the service lives and calendar times established for the engine in general.
SLL (in hours or cycles) is a total operation expressed in hours or cycles or a total calendar time of operation recorded after which the product operation shall be stopped independently of its condition.
The SLFO (in hours/cycles), CTFO (in years) is a total operation expressed in hours or cycles or total calendar time of the product operation and/or storage allowed before the first overhaul.
The SLBO (in hours/cycles), CTBO (in years) is total operation expressed in hours or cycles or total calendar time of the product operation and/or storage allowed between the successive overhauls.
NOTES:
3. SLFO and SLBO are composite parts of SLL,
4. CT is calculated from the moment the engine Logbook issue or overhaul.
Special Not: If the components life or overhaul time are dependent on both flight hours and calendar time, and if the calendar time come before the flight hours, the life of components can be extended as permitted by applying the maintenance which is defined in the passport, in the maintenance manual or in the letter of manufacturer. The extension maintenance must be applied by authorized maintenance center team.

Engine Components service life

Nos.	Name	Drawing code or No.	Hours	Cycles	Years	Hours	Cycles	Years	Hours	Cycles
Compressor Disks										
2	Drum	0780139140							9500	9500
Turbine Disks										
3	- stage 1 disk	0780410439							7500	7500
	- stage 1 disk	0780410521							7500	7500
	- stage 2 disk	0780419018							7500	7500
	- stage 3 disk	0780420293							8000	8000
	- stage 4 disk	0780429023							8000	8000
Turbine cover disks:										
4	- stage 1 disk	0780419016*							5000	5000
	- stage 1 disk	0780410449							5000	5000
	- stage 2 disk*	0780410518*							2000	2000
	- stage 3 disk*	0780410451							2000	2000
	- stage 4 disk	0780410519*							2000	2000
	- stage 1 disk	0780410452							2000	2000

NOTE:
1.* Cover disc of stage I (0780419016) manufactured and repaired since 01.07.2005 taking into consideration Change Notice ИИ 78-30446 ¼…4/4, has been given the assigned service life of 6,500 hours/6,500 cycles.
2.* Disc of stage I (0780410521) and cover discs of stage II (0780410518) and of stage III (0780410519) are used only as one set.
4.* In case of replacement of the cover discs II and III after operating time have reached 2,000 hours/cycles, performed according to technology No. 078.00.4300 BC-T46, in compliance with Type Certificate Data Sheet 34-Д issue 15.

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MAINTENANCE PROGRAMME

Chapter – 4

AMP Review, Amendments and Approval

4. AMP REVIEW, AMENDMENTS AND APPROVAL

4.1. PERIODIC REVIEW OF MAINTENANCE PROGRAMME CONTENTS

The AMP is required to be reviewed (and amended accordingly, when necessary) **on a regular basis** to ensure that the programme continues to be up to date and valid in light of the operating experience and instructions from TR DGCA, while taking into account new or modified maintenance instructions issued by the Type Certificate Holder (TCH), the Supplemental Type Certificate Holder (STCH) and any other organization that publishes such data in accordance with SHT-21.

4.1.1. Content of the Periodic Review

Content of the Periodic Review, agreed with TR DGCA is covering as minimum (but not limited to):

1. **New/modified** maintenance instructions by the **TCH/STCH**.
2. **New/modified mandatory requirements**.
3. **Revisions** to the MRBR / MPD (if applicable).
4. Current **TCH/STCH's** recommendations.
5. **Modifications and repairs** embodied in the particular helicopter, which may require compliance to additional maintenance instructions (by Design Approval Holder).
6. **In-service experience** collected for particular helicopters or for the fleet.
7. **Maintenance needs** of the helicopter.
8. **Changes in the type** and **specificity of operations**.
9. **Changes** in helicopter **utilization**.
10. **Addition or deletion** on **fleet composition**.
11. **Requests by TR DGCA, FATA**

4.1.2. Periodic Review Frequency

The AMP will be **reviewed annually** for continued validity in the light of operating experience; after each revision effective for helicopter configuration issued on Maintenance Manual and other airworthiness documents by helicopter and engine/ helicopter and engine manufacturers/authority and program will be amended accordingly.

No amendment will be issued for one time inspection / modification required by manufacturer recommendation, AD and SB applications; program will be revised if recurring application is required.

4.2. ESCALATION OF ESTABLISHED TASK INTERVALS

Permanent escalation of established check periods / task intervals, where applicable and acceptable to TR DGCA is NOT APPLICABLE for the present. Moreover, according to AMSM and EMSM any kind of maintenance intervals of " KA32A11BC " the permanent escalation is N/A.

4.3 AMP AMENDMENTS PROCEDURE

Amendment **types** of the AMP are **Full (Regular)** or **Partial (Temporary)** Revisions.

In principle the amendments are made according to the changes within the company procedures, Manufacturer's AMM/ MSM/ AMPI/ EMPM and the legislation changes of TR DGCA, FATA and ICAO. Possible amendment and revision **reasons** triggering an amendment of the AMP are:

1. Revision and/or temporary revision (whenever a Temporary Revision is issued, it is expected that the full compiled AMP is provided) of the Manufacturer's Helicopter / Engine / Component Maintenance Manual on which the program is based,
2. Change in the helicopter configuration due to modification, etc.,
3. Changes based on operational experiences,
4. Changes based on defect reports from the SHT-145 or Part-145 Maintenance Organization.
5. Changes based on the periodic review of the program,
6. Helicopter phase-in/out,
7. Changes in source documents, AD, etc.

Changes are identified by highlighting/colorized (preferable RED color letters) the text. If the change is made for adding new pages (pagination), the 'rev no', page no' and 'rev date' are highlighted in header or footer section of the page to indicate the changes.

The **Continuing Airworthiness Manager** is responsible for Maintenance Program; its contents, **amendments**, and **revisions** and for keeping the instructions and information **up to date**. He/she will supply the Turkish DGCA with intended amendments and revisions in advance of the effective date.

Where changes in the AMM/ MSM/ AMPI/ EMPM are identified as being necessary, these will be submitted by CA Manager to TR DGCA as an amendment **not more than 90 days**; while it has been implementing accordingly after change notification achieved.

Related to the **traceability** and **control of the changes** to the AMP; the validity of the amendment is maintained when receiving the approval of the revision from TR DGCA. After this approval the revision is to be entered to the Revision Page of the Maintenance Program.

4.4 AMP APPROVAL

4.4.1. Approval by TR DGCA (Direct Approval)

All the amendments to the AMP require TR DGCA Direct Approval, except for those changes agreed to be part of the Indirect Approval procedure (ref. to 4.4.2).

Detailed AMP Approval by TR DGCA (Direct Approval) procedure is in Kaan Havacılık San. ve Tic AŞ. CAME 1.2.1 which includes the following:

1. The communication flow between the Owner/ Kaan Havacılık San. ve Tic AŞ. CAMO and TR DGCA, when a new revision/temporary revision is issued for approval,

2. To support the TR DGCA approval process, TR DGCA recommends including in the procedure:

a) The submission of the referenced **source documents** which have initiated the changes, together with the revision proposal,

b) If require **planning a meeting** with TR DGCA to briefly introduce the changes.

4.4.2. Approval by the CAMO (Indirect Approval)

Detailed and approved by TR DGCA, AMP **Indirect Approval** procedure is in Kaan Havacılık San. ve Tic AŞ. CAME 0.6.3.

MAINTENANCE PROGRAMME

Chapter – 5

Permitted Variations to Maintenance Periods

5. PERMITTED VARIATIONS TO MAINTENANCE PERIODS

This procedure is for guidance to Permitted Variation that is detailed in SHT-BPU.

5.1. GENERAL RULES FOR PERMITTED VARIATIONS

To allow an acceptable level of flexibility in the maintenance planning and to compensate for unpredictable situations (e.g., unforeseen increase in the helicopter utilization rate), a set of permitted variations associated to task intervals can be utilized. A variation can be applied only when the minimum inspection interval prescribed by MSM Ch.05 cannot be complied with due to circumstances which could not reasonably have been foreseen by the Operator or by its contracted Maintenance Organization.

In any case all permitted variations are **not cumulative** and **cannot be assumed as maintenance planning tool,** but as a **one-time short-term extension** of a maintenance task for a single helicopter.

Kaan Havacılık San. ve Tic AŞ. may only increase the periods wrote out by the programme with the approval of TR DGCA. The periods wrote out by this specification may be varied subject to conditions and limitations as follows:

1. Variations will be permitted only when the periods wrote out by this schedule (or documents in support of this schedule) cannot be complied with, due to circumstances which would not reasonably have been foreseen by Kaan Havacılık San. ve Tic AŞ.

2. The decision to extend the wrote out periods in the MSM's will be taken only by the **Compliance Monitoring Manager** and **Continuing Airworthiness Manager** or Helicopter's Owner, **without exceeding the extension limits specified in the SHT-BPU**. If Kaan Havacılık San. ve Tic AŞ. have to use exceeding tolerance of maintenance inspection and O/H life of parts, Kaan Havacılık San. ve Tic AŞ. will give information with explanations to the Turkish DGCA **within 72 hours**.

3. Any extension needs to be approved by TR DGCA. On case-by-case basis, TR DGCA might grant an Indirect Approval privilege.

4. For a maintenance task that has been previously subject to Permitted Variation, the **next due date** will be calculated using the **previous due date** (as opposed to accomplishment date) or as agreed by TR DGCA.

5.1.1. TR DGCA Recommended Maximum Allowed Variations

For reference, here follow a list of TR DGCA recommended maximum allowed variations:

Maintenance Interval		Interval Usage Parameter **Maximum Allowed** Variation **(Up to)**
FH Intervals	5000 FH or less	10%
	More than 5000 FH	500 FH
Calendar Intervals	12 MO (1 YR) or less	10%
	More than 12 MO (1 YR), but Not Exceeding 36 MO (3 YRS)	2 MO
	Equal or more than 36 MO (3 YRS)	3 MO
Flight Cycle/Landing (FC/L) Intervals	5000 FC/L or less	5% or 25 FC/L, whichever is less
	More than 5000 FC/L	5% or 250 FC/L, whichever is less
Items controlled by more than one interval usage parameter (e.g., FH and Calendar or FH and FC/L)		More restricted allowed variation will be applied

5.1.2. Exceptions to Permitted Variations

When establishing the list of exceptions, the Owner or Kaan Havacılık San. ve Tic AŞ. CAMO will always review the instructions provided by TCH.

As a general rule, Permitted Variations are not applicable to any **mandatory task** which are defined in **SHT-BPU**, such as (non-comprehensive list); AD, ALI, CMR, FAL, LLI, Engine ALS and Helicopter Weighing.

Unless otherwise specified, permitted variations **DO NOT apply to**:

1. Airworthiness Directive,
2. National Requirements,
3. Life limited part (discard, retirement and O/H) intervals specified by a manufacturer or identified in helicopter or engine Type Certification Data Sheets,
4. Airworthiness Limitations, including CMRs and MIs.
5. Those periods included in this maintenance program which have been classified as mandatory by TR DGCA.

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MAINTENANCE PROGRAMME

Chapter – 6

Reliability Programme and Reporting

6. RELIABILITY PROGRAMME AND REPORTING

Reliability programme and reporting procedure are compatible with TR DGCA **UED-2022/1 circular**.

6.1. RELIABILITY PROGRAMMES

Details of the reliability programmes are in Kaan Havacılık San. ve Tic AŞ. CAME 1.10 which having the method used to periodically monitor the effectiveness of the AMP through (noncomprehensive list):

1. Helicopter reliability monitoring,
2. Engine condition monitoring,
3. Component reliability monitoring,
4. Any other reliability and/or condition monitoring means.

Kaan Havacılık San ve TIC. AŞ. KA32A11BC " Maintenance Programme" based on "manufactures Kamov Helicopter Maintenance Planning Manual" and “Motorsich/Ukraine & Kilimov Russia Engine Maintenance Planning Manual" those manuals meet the requirements of which are located in SHT-CAM, Appendix I to AMC M.A.302 and AMC M.B.301(b), Section 6, Paragraph 6.1.2. (a) & (c). Therefore, **reliability program is not necessary.**

6.2. REPORTING

As per SHT-CAM CAMO.A.160, occurrence reporting is an essential part of the overall monitoring function.

The objective of occurrence-reporting; collection, investigation and analysis systems described in the applicable requirements of SHT-OLAY and the delegated and implementing acts adopted on the basis thereof is to use the reported information to contribute to the improvement of aviation safety and it will not be used to attribute blame or liability or to establish benchmarks for safety performance.

Detailed reporting procedures are in Kaan Havacılık San. ve Tic AŞ. CAME:

- **1.8.4 Reporting Defects,**
- **2.2 Internal Safety Reporting and Investigations**, and
- **2.11 Occurrence Reporting**

Chapters.